

AGRICULTURAL BUILDING.

UNITED STATES CENTENNIAL COMMISSION.

INTERNATIONAL EXHIBITION,

1876.

OFFICIAL CATALOGUE

DEPARTMENT OF AGRICULTURE.

DEPARTMENT OF HORTICULTURE.

PHILADELPHIA:

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1876

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SOUTH-EAST SECTION.

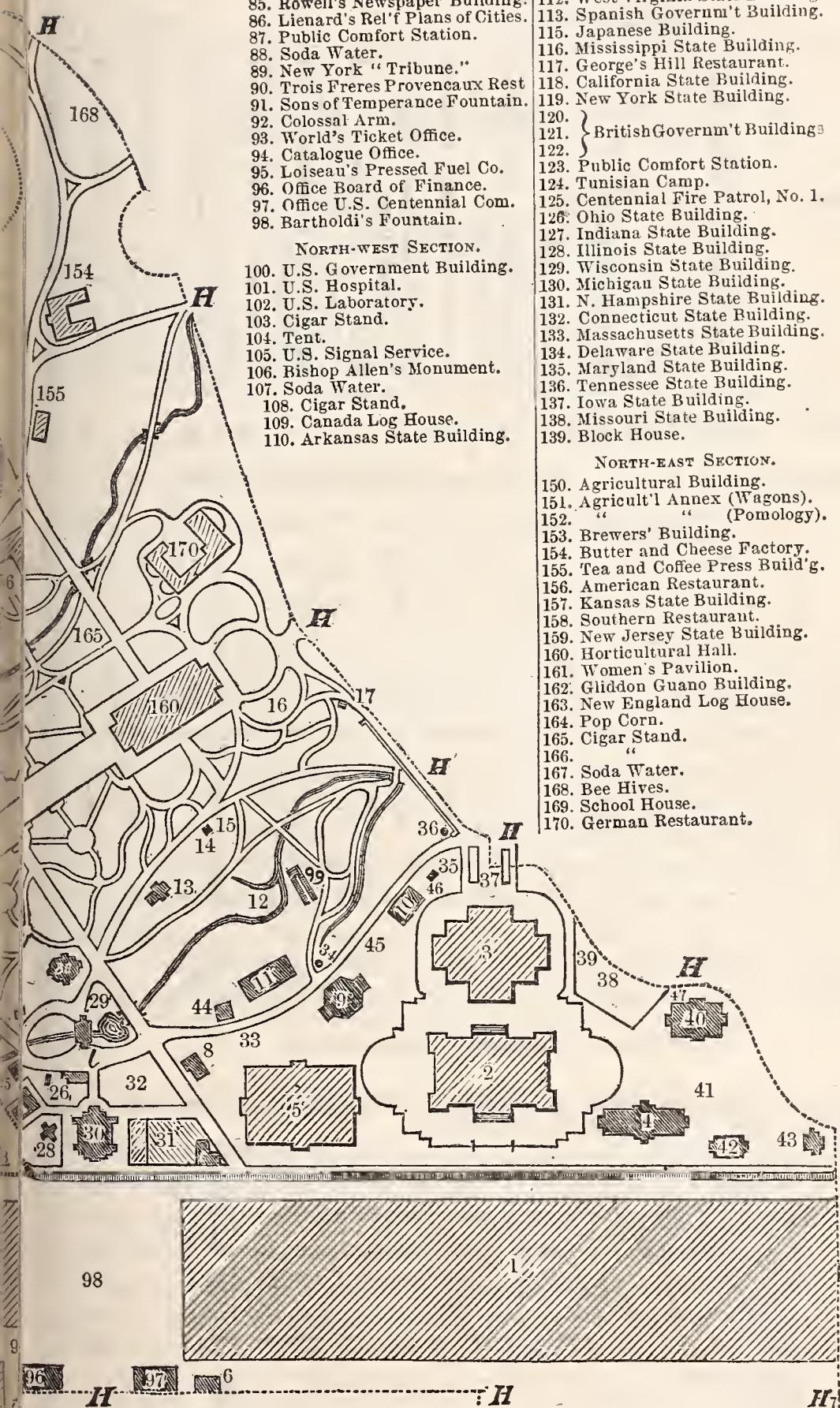
1. Main Exhibition Building.
2. Memorial Hall (Art Gallery).
3. Annex to Art Gallery.
4. Photographic Gallery.
5. Annex to Main Building (Carriages, Stoves).
6. Centennial National Bank.
7. Public Comfort (cloak room).
8. Swedish School House.
9. Penn. Educational Departm't.
10. Singer's Sewing Mach. Build'g.
11. Lafayette Restaurant.
12. Hunter's Camp.
13. Milk Dairy Association.
14. Bible Society.
15. Public Comfort.
16. Phila. Municipal Headquart's.
17. Soda Water.
18. Moorish Villa.
19. German Government Building.
20. Brazilian Governm. Building.
21. Kittredge & Co. (Cornices).
22. Soda Water.
23. Phila. "Times" Building.
24. Klautscheck, Thomas & Stewart's Glass Factory.
25. Cigar Stand.
26. American Fusee Co.
27. Centennial Photographic Assn.
28. Penna. Railroad Ticket Office.
29. Centennial Medical Dept.
30. Judges' Hall.
31. Department of Public Comfort.
32. Japanese Government.
33. Kindergarten.
34. Soda Water.
35. Public Comfort Station.
36. Cigar Stand.
37. Standpipe.
38. French Government Building.
39. Stained Glass.
40. Vienna Bakery.
41. Bankers' Exhibit.
42. Empire Transportation Co.
43. Centennial Fire Patrol, No. 2.
44. Portuguese Govt. Building.
45. N.Y. "World" Building.
46. Burial Casket Building.
47. Public Comfort (cloak room).

SOUTH-WEST SECTION.

50. Machinery Building.
51. Annex (Shoe & Leath'r Build'g)
52. British Boiler House.
53. Boiler House.
54. Corliss Boiler House.
55. Weimer's Furnace.
56. Boiler House.
57. Stokes & Parrish Machine Shop
58. Boiler House.
59. Nevada Quartz Mill.
60. Gas Machine.
61. Yale Lock Co.
62. Brick Working Machinery.
63. Storhouse.
64. Meline & Morris Artesian Well.
65. J.M. Boles Rock Drilling Mach'y.
66. Jesse Starr & Son Iron Works.
67. Gunpowder Pile Driver.
68. Automatic Railway.
69. Tiffany's Gas Machine.
70. Pennsylvania Railroad.
71. Engine House.
72. Emil Ross Saw Mill.
73. Gillender & Son Glass Factory.
74. Annex (Saw Mill).
75. Saw Mill Boiler House.
76. Campbell Printing House.
77. Fuller, Warren & Co., Stoves.
78. Liberty Stove Works.
79. Boston "Herald" and "Advertiser."
80. Catholic Total A. Fountain.
81. Frank Leslie's Newspaper.
82. Turkish Cafe.
83. Pennsylvania State Building.
84. Pop Corn.



GROUND PLAN OF THE



INTERNATIONAL EXHIBITION.

SUBJECT INDEX, NATIONAL EXHIBITS.

DEPARTMENT VI.

DEPT. VII.

NATIONS.

NATIONS.	Arboriculture and Forest Products.		Pomology.		Agricultural Products.		Land Animals.		Water Animals, Fish Culture, and Apparatus.		Animal and Vegetable Products.		Textile Substances of Vegetable or Animal Origin.		Machines, Implements, and Processes of Manufacture.		Agricultural Engineering and Administration.		Tillage and General Management.		Ornamental Trees, Shrubs, and Flowers.		Hot-houses, Graperies.		Garden Tools, Accessories of Gardening.		Garden Designing, Construction and Management.			
	15	15	15	15	17	17	17	20	17	29	29	29	30	34	39	40	35	30	20	27	28	79	82	79	82	80	81			
United States.....	15	15	15	15	17	17	17	20	17	29	29	29	30	34	39	40	35	30	20	27	28	79	82	79	82	80	81			
Great Britain	29	...	...	...	29	29	29	30	29	32	32	32	34	34	39	40	35	30	20	27	28	79	82	79	82	80	81			
Canada.....	31	31	31	31	31	32	32	34	31	37	37	37	39	39	39	40	35	30	20	27	28	79	82	79	82	80	81			
France*.....	36	36	36	36	...	37	37	39	31	40	40	40	42	42	42	42	42	35	30	20	27	28	79	82	79	82	80	81		
Germany	40	...	40	40	...	43	43	42	31	43	43	43	42	42	42	42	42	35	30	20	27	28	79	82	79	82	80	81		
Austria.....	42	42	42	42	43	43	43	42	31	44	44	44	45	45	45	45	45	35	30	20	27	28	79	82	79	82	80	81		
Switzerland.....	...	...	43	43	...	43	43	42	31	43	43	43	42	42	42	42	42	35	30	20	27	28	79	82	79	82	80	81		
Belgium.....	...	...	44	44	...	43	43	42	31	44	44	44	45	45	45	45	45	35	30	20	27	28	79	82	79	82	80	81		
Netherlands.....	45	...	45	45	...	45	45	45	31	45	45	45	47	47	47	47	47	35	30	20	27	28	79	82	79	82	80	81		
Sweden.....	46	...	46	46	...	47	47	47	31	47	47	47	47	47	47	47	47	35	30	20	27	28	79	82	79	82	80	81		
Norway.....	48	...	48	48	48	48	48	49	31	49	49	49	49	49	49	49	49	35	30	20	27	28	79	82	79	82	80	81		
Italy	50	50	50	50	...	50	50	50	31	53	53	53	53	53	53	53	53	35	30	20	27	28	79	82	79	82	80	81		
Brazil	54	...	54	54	...	56	56	57	31	57	57	57	57	57	57	57	57	35	30	20	27	28	79	82	79	82	80	81		
Argentine Republic.....	58	...	59	63	63	63	63	68	31	68	68	68	69	69	69	69	69	35	30	20	27	28	79	82	79	82	80	81		

* Metallurgical exhibition of France, page 36.

N. B.—The Agricultural and Horticultural exhibits of the following countries are installed in the Main Building, and catalogued in that volume, viz.:

	Page.
New South Wales.....	151
Victoria.....	155, 158
South Australia.....	162
New Zealand.....	164, 165
Cape of Good Hope.....	168
Jamaica.....	170
Austria.....	198
Denmark	210
Egypt.....	225
Orange Free State.....	230
Luxemburg.....	230
China	231
Japan	238
Hawaii	242

AGRICULTURAL HALL. No. 150.

Size, parallelogram, 820 by 540 feet.

Architect, JAMES H. WINDRIM, Philadelphia.

Contractor, PHILIP QUIGLEY, Wilmington, Del.

Wrought iron furnished by ALLISON & SONS, Philadelphia.

Erectors, BELL BROTHERS.

THE Agricultural Exhibition Building stands north of Horticultural Hall, on the eastern side of Belmont avenue. A novel combination of materials is illustrated in its construction. It consists of a long nave crossed by three transepts, all composed of Howe truss arches of Gothic form. The four courts inclosed between the nave and transepts, as also the four spaces at the corners of the building, having the nave and transepts for their sides, are roofed in and form spaces for exhibits. The building covers an area of above ten acres. Stock yards for the exhibition of horses, cattle, sheep, swine, poultry, etc., are in the vicinity of the exhibition grounds.

The contract was made July 26th, 1875, and the building was begun in September 1875, and finished in April, 1876. It cost \$260,000.

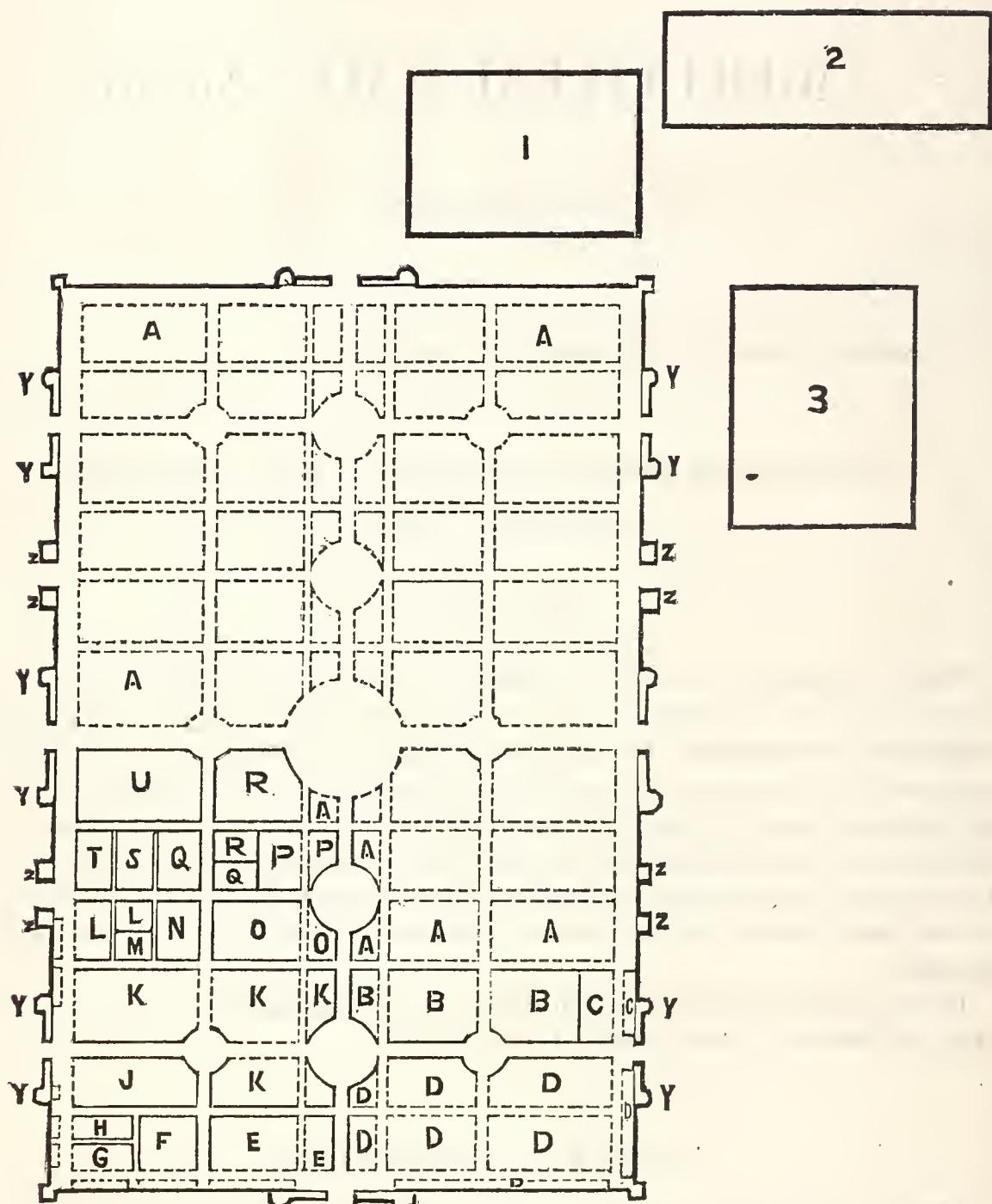
KEY TO THE NOTATION.

THE location of objects in the Agricultural Building is shown by a letter and figure, indicating the nearest column of the building. The letters—A, B, C, to T—designate the successive ranges of columns, proceeding eastward from the western wall across the width of the building; the figures, the number of the column in each range, counting northwardly from the southern wall, the entire length of the building, from 1 to 28. Thus C 5 is the column in the third range from the west, and the fifth from the southern end of the building. The northeasternmost column is T 28.

The class of the classification to which each exhibit belongs is indicated by the small figures at the end of the line.

AGRICULTURAL HALL.

Scale, 225 ft. to 1 in.



A United States.

B Canada.

C Liberia.

D England.

E Germany.

F Austria.

G Japan.

H Venezuela.

I Netherlands.

K France.

L Sweden.

M Denmark.

N Norway.

O Brazil.

P Belgium.

Q Portugal.

R Spain.

S Argentine Republic.

T Chili.

U Russia.

Y Water-closets.

Z Offices.

1. Wagon Building.

2. Brewers' Building.

3. Pomological Building.

Total Length, 540 ft. Width, 820 ft. Height, 75 ft.

SYNOPSIS OF THE CLASSIFICATION.

LOCATION.	DEPARTMENTS.	CLASSES.	GROUPS.	
MAIN BUILDING.	I. MINING AND METALLURGY.	100—109 110—119 120—129	Minerals, Ores, Stone, Mining Products. Metallurgical Products. Mining Engineering.	
	II. MANUFACTURES.	200—205 206—216 217—227 228—234	Chemical Manufactures. Ceramics, Pottery, Porcelain, Glass, etc. Furniture, etc. Yarns and Woven Goods of Vegetable or Mineral Materials.	
		235—241 242—249	Woven and Felted Goods of Wool, etc. Silk and Silk Fabrics.	
250—257 258—264		Clothing, Jewelry, etc.		
265—271		Paper, Blank Books, Stationery.		
272—279 280—284		Weapons, etc. Medicine, Surgery, Prothesis. Hardware, Edge Tools, Cutlery, and Metallic Products.		
285—291		Fabrics of Vegetable, Animal, or Mineral Materials.		
292—296		Carriages, Vehicles, and Accessories.		
300—309		Educational Systems, Methods, and Li- braries.		
310—319 320—329		Institutions and Organizations. Scientific and Philosophical Instruments and Methods.		
330—339 340—349		Engineering, Architecture, Maps, etc. Physical, Social, and Moral Condition of Man.		
ART GALLERY.	IV. ART.	400—409 410—419	Sculpture. Painting.	
		420—429 430—439 440—449 450—459	Engraving and Lithography. Photography. Industrial and Architectural Designs, etc. Ceramic Decorations, Mosaics, etc.	
MACHINERY BUILDING.		V. MACHINERY.	500—509	Machines, Tools, etc., of Mining, Chem- istry, etc.
			510—519	Machines and Tools for working Metal, Wood, and Stone.
			520—529	Machines and Implements of Spinning, Weaving, etc.
	530—539		Machines, etc., used in Sewing, Making Clothing, etc.	
	540—549		Machines for Printing, Making Books, Paper Working, etc.	
	550—559		Motors, Power Generators, etc.	
	560—569		Hydraulic and Pneumatic Apparatus.	
	570—579		Railway Plant, Rolling Stock, etc.	
	580—589		Machinery used in Preparing Agricul- tural Products.	
	590—599		Aerial, Pneumatic, and Water Trans- portation. Machinery, and Apparatus, especially adapted to the requirements of the Exhibition.	
AGRICULTURAL BUILDING.	VI. AGRICULTURE.	600—609	Arboriculture and Forest Products.	
		610—619	Pomology.	
		620—629	Agricultural Products.	
		630—639	Land Animals.	
		640—649	Marine Animals, Fish Culture, and Apparatus.	
		650—662	Animal and Vegetable Products.	
		665—669	Textile Substances of Vegetable or Animal origin.	
		670—679	Machines, Implements, and Processes of Manufacture.	
		680—689	Agricultural Engineering and Adminis- tration.	
		690—699	Tillage and General Management.	
HORTICULTURAL BUILDING.	VII. HORTICULTURE.	700—709	Ornamental Trees, Shrubs, and Flowers.	
		710—719	Hot Houses, Conservatories, Graperies.	
		720—729	Garden Tools, Accessories of Gardening.	
		730—739	Garden Designing, Construction, and Management.	

CLASSIFICATION.

DEPARTMENT VI.—AGRICULTURE.

ARBORICULTURE AND FOREST PRODUCTS.

CLASS 600.—Timber and trunks of trees, entire or in transverse or truncated sections, with specimens of barks, leaves, flowers, seed vessels, and seed.
Masts, spars, knees, longitudinal sections of trees, railway ties, ship timber, lumber roughly sawn; as planks, shingles, lath, and staves.
Timber and lumber prepared in various ways to resist decay and combustion; as by injection of salts of copper and zinc.

CLASS 601.—Ornamental woods used in decorating and for furniture; as veneers of mahogany, rosewood, ebony, walnut, maple, and madrona.

CLASS 602.—Dyewoods, barks, and galls for coloring and tanning.

CLASS 603.—Gums, resins, caoutchouc, gutta percha, vegetable wax.

CLASS 604.—Lichens, mosses, fungi, pulu, ferns.

CLASS 605.—Seeds, nuts, etc., for food and ornamental purposes.

CLASS 606.—Forestry.—Illustrations of the art of planting, managing, and protecting forests. Statistics.

CLASS 607.—Fruit trees and shrubs.

POMOLOGY.

CLASS 610.—Fruits of temperate and semi-tropical regions; as apples, pears, quinces, peaches, nectarines, apricots, plums, grapes, cherries, strawberries, and melons.

CLASS 611.—Tropical fruits and nuts, oranges, bananas, plantains, lemons, pineapples, pomegranates, figs, cocoanuts.

AGRICULTURAL PRODUCTS.

CLASS 620.—Cereals, grasses, and forage plants.

CLASS 621.—Leguminous plants and esculent vegetables.

CLASS 622.—Roots and tubers.

CLASS 623.—Tobacco, hops, tea, coffee, spices, condiments, herbs.

CLASS 624.—Seeds and seed vessels.

LAND ANIMALS.

CLASS 630.—Horses, asses, mules.

CLASS 631.—Horned cattle.

CLASS 632.—Sheep.

CLASS 633.—Goats, alpaca, llama, camel.

CLASS 634.—Swine.

CLASS 635.—Poultry and birds.

CLASS 636.—Dogs and cats.

CLASS 637.—Wild animals.

CLASS 638.—Insects, useful and injurious. Honey bees, cochineal, silk-worms.

MARINE ANIMALS, FISH CULTURE, AND APPARATUS.

CLASS 640.—Marine mammals.—Seals, cetaceans, etc., specimens living in aquaria, or stuffed, salted, preserved in alcohol, or otherwise.

CLASS 641.—Fishes, living or preserved.

CLASS 642.—Pickled fish, and parts of fish used for food.

CLASS 643.—Crustaceans, echinoderms, beche de mer.

CLASS 644.—Mollusks, oysters, clams, etc., used for food.

CLASS 645.—Shells, corals, and pearls.

CLASS 646.—Whalebone, shagreen, fish-glue, isinglass, sounds, fish-oil.

CLASS 647.—Instruments and apparatus of fishing.—Nets, baskets, hooks, and other apparatus used in catching fish.

CLASS 648.—Fish culture.—Aquaria, hatching pools, vessels for transporting roe and spawn, and other apparatus used in fish breeding, culture, or preservation.

ANIMAL AND VEGETABLE PRODUCTS.

(Used as food or as materials.)

CLASS 650.—Sponges, seaweed, and other growths used for food or in the arts.

CLASS 651.—The dairy.—Milk, cream, butter, cheese.

CLASS 652.—Hides, furs, and leather, tallow, oil, and lard, ivory, bone, horn, glue.

CLASS 653.—Eggs, feathers, down.

CLASS 654.—Honey and wax.

CLASS 655.—Animal perfumes; as musk, civet, ambergris.

CLASS 656.—Preserved meats, vegetables, and fruits. Dried, or in cans or jars.
Meat and vegetable extracts.

CLASS 657.—Flour; crushed and ground cereals, decorticated grains.

CLASS 658.—Starch and similar products.

CLASS 659.—Sugar and syrups.

CLASS 660.—Wines, alcohol, and malt liquors.

CLASS 661.—Bread, biscuits, crackers, cakes, confectionery, cocoa, chocolate, etc.

CLASS 662.—Vegetable oils, oil cake.

TEXTILE SUBSTANCES OF VEGETABLE OR ANIMAL ORIGIN.

CLASS 665.—Cotton on the stem, in the boll, ginned, and baled.

CLASS 666.—Hemp, flax, jute, ramie, etc., in primitive forms and in all stages of preparation for spinning.

CLASS 667.—Wool in the fleece, carded, and in bales.

CLASS 668.—Silk in the cocoon and reeled.

CLASS 669.—Hair, bristles.

MACHINES, IMPLEMENTS, AND PROCESSES OF MANUFACTURE.

CLASS 670.—Tillage.—Manual implements, spades, hoes, rakes. Animal power machinery, plows, cultivators, horse-hoes, clod-crushers, rollers, harrows. Steam power machinery, plows, breakers, harrows, cultivators.

CLASS 671.—Planting.—Manual implements, corn-planters and hand-drills. Animal power machinery, grain and manure drills, corn and cotton planters. Steam power machinery, grain and manure drills.

CLASS 672.—Harvesting.—Manual implements; grain-cradles, sickles, reaping-hooks. Animal power machinery, reapers and headers. Mowers, tedders, rakes, hay elevators, and hay loaders.
Potato diggers.

CLASS 673.—Preparatory to marketing.—Thrashers, clover-hullers, corn-shellers, winnowers, hay, cotton, flax, jute, ramie, wine, oil, and sugar making apparatus. Cleaners and smutters. Horse powers.

CLASS 674.—Applicable to farm economy.—Portable and stationary engines, chaffers, hay and feed cutters, slicers, pulpers, corn mills, farm boilers and steamers, incubators, edged tools, mills, meat choppers.

CLASS 675.—Dairy fittings and appliances.—Churns for hand and power, butter-workers, cans and pails, cheese-presses, vats, and apparatus, ice-cream freezers, cedar-ware.

AGRICULTURAL ENGINEERING AND ADMINISTRATION.

CLASS 680.—Laying out and improving farms.—Clearing (stump extractors), construction of roads, draining, irrigating, models of fences, gates, drains, out-falls, dams, embankments, irrigating machinery, stack building and thatching.

CLASS 681.—Commercial fertilizers, phosphatic, ammoniacal, calcareous, etc.

CLASS 682.—Transportation.—Wagons, carts, sleds, harness, yokes, traction engines, and apparatus for road making and excavating.

CLASS 683.—Farm buildings.—Models and drawings of farm houses and tenements, barns, stables, hop-houses, fruit-driers, ice-houses, windmills, granaries, barracks, apiaries, cocooneries, aviaries, abattoirs, and dairies.

TILLAGE AND GENERAL MANAGEMENT.

CLASS 690.—Systems of planting and cultivation.

CLASS 691.—Systems of draining and application of manures.

CLASS 692.—Systems of breeding and stock feeding, training.

CLASS 693.—Veterinary surgery and appliances.

JOHN CLARK, JR. & CO.'S

MILE END, GLASGOW,

BEST

Six-cord Spool Cotton

ON BLACK SPOOLS,

IS UNRIVALLED

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31 Bank St., Philadelphia.

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GROS GRAIN DRESS SILKS in Black and Colors of all Shades
FIGURED AND TWILLED SILKS for the Millinery Trade.

FLORENTINES AND MARCELLINES, of all colors, qualities, and widths, for the use of Manufacturers of Parasols, Hats, Caps and Furs.

SILK HANDKERCHIEFS AND MUFFLERS, Plain or with Wove or Printed Borders.

SILK FLAGS of various sizes, from 7 x 10 to 30 x 48 inches, hemmed and boxed in dozens for the trade.

BONNET RIBBONS, Black and Colored, of all widths and shades.

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MACHINE TWIST AND SEWING SILK.

ORGANZINES, TRAMS, AND FINE PATENT SPUN SILKS, for Silk Mixture, Cassimeres, and for all other fabrics in which Silk is used.

Particular attention given to orders for special kinds of Silk used by manufacturers.

Specimens of all the above-mentioned fabrics and threads can be seen in the show-case of **Cheney Brothers** in the American Silk Department of the Centennial Exhibition in the Main Building.

UNITED STATES.

Forest Products, Pomology, Agricultural Products.

Arboriculture and Forest Products.

- 1 Begg, Jonathan, Gilroy, Cal.—Collection of conifers of the Pacific Coast. E 25. 600
- 2 Pierce, Milton V., Wenonah, N. J.—Native wood. E 26. 600
- 3 Western North Carolina Land Co., Philadelphia, Pa.—Woods, medicinal herbs, iron ores, gold, manganese, mica, etc. E 19. 600
- 4 State of Indiana.—Timber, all kinds found in the State. G 20. 600
- 5 State Board of Iowa (collective exhibit), Fairfield, Iowa.—Woods, native and cultivated; wood seeds, soils. C 15. 600
- 6 National Timber Preserving Co., Philadelphia, Pa.—Method of treating timber with chemical preservatives. E 28. 600
- 7 Woods, Perry, & Co., Cleveland, Ohio.—White pine lumber. F 25. 600
- 8 State of Oregon, Portland, Oregon.—Native woods, medicine roots, and bark; shingles. E 22. 600
- 9 Eastern Burnettizing Co., Boston, Mass.—Burnettized lumber for bridges, wharves, railroads, and all positions where wood is liable to decay. F 26. 600
- 10 State of Delaware (collective exhibit), Dover, Del.—Timber in the rough and dressed. F 17. 600
- 11 Albemarle Swamp Land Co., North Carolina.—Cedar and cypress shingles, staves, etc. F 26. 600
- 12 Davis, Wise, & Co., North Carolina.—Ribbed cedar and cypress shingles. F 28. 600
- 13 State of West Virginia (collective exhibit).—Forest products. F 19. 600
- 14 Gore, E., Bath, Maine.—Basswood panels. F 28. 601
- 15 Burk, William B., & Co., Philadelphia, Pa.—Corks and sponges. E 25. 603
- 16 Smythe, Earle, & Co., New York, N. Y.—Crude elastic gums, with botanical specimens of same. F 26. 603
- 17 Butz, Alfred L., Philadelphia, Pa.—Machine and hand cut corks. E 25. 603
- 18 Michigan State Agricultural College (collective exhibit).—Forestry. H and I 20 and 21. 606

Pomology.

- 19 Atlantic Co. for the Culture of Cranberries, Weymouth, N. J.—Cranberries, natural and preserved. J 28. 610
- 20 State Board of Iowa, Fairfield, Iowa.—Apples and pears in wax models. C 15. 610
- 21 Collings, E. Z., Waterford, N. J.—Cranberries in jars, showing different varieties. C 20. 610

Agricultural Products.

- 22 State Board of Iowa, Fairfield, Iowa.—Corn, small grains, grass seeds, vegetable seeds, etc. C 15. 620
- 23 Branson, David H., Guthrieville, Pa.—Indian corn. N 10-11. 620
- 24 Henderson, John, Northport, L. I., N. Y.—Handbook of the grasses of America and Great Britain, with specimens. B 17. 620
- 25 State of Massachusetts (collective exhibit), Boston, Mass.—Agricultural products. E and F 23. 620
- 26 Possiponti, Angola, Harrisburg, Pa.—Straw for the manufacture of straw-goods. E 15. 620
- 27 Smith, E & J. P., Circleville, Ohio.—Broom-corn brush. F 15. 620
- 28 U. S. Hullers Oat Co., Williamsport, Pa.—Oats without hull, oat-flour, and feed. H 15. 620
- 29 State of Indiana, embracing 92 counties (collective exhibit). G 20.
 - α White, red, and amber wheat, oats, rye, barley, Indian corn, grass-seed, etc. 620
 - β Cloverseed, white and colored, butter-beans. 624
- 30 Landreth, D., & Sons, Philadelphia, Pa. H 15.
 - α Cereals, grasses, and tobacco. 620
 - β Field and garden seeds. 624
- 31 Michigan State Agricultural College. H & I 20 to 21.
 - α Farm products. 620
 - β Seeds of forest trees. 624
- 32 State of Oregon, Portland, Oregon. E 22.
 - α Native grasses, cultivated grasses, grain in the sheaf. 620
 - β Grain in the sack; cultivated grass-seed. 624

Agricultural Products.

33 State of Delaware, Dover, Del. F 17.
 a Cereals. 620
 b Seeds. 624

34 Ohio State Centennial Board (collective exhibit), Cleveland, Ohio. D and E 16.
 a Grains, grasses. 620
 b Seeds. 624

35 State of West Virginia (collective exhibit). F 19.
 a Grasses and agricultural products. 620
 b Tobacco. 623
 c Wheat, corn, oats, barley, and rye. 624

36 Bliss, B. K., & Sons, New York, N. Y.—Potatoes. H 15. 622

37 Murdoch, Aug., New York, N. Y.—American mustard. I 28. 623

38 Bourgeois, Edmund, New Orleans, La.—Perique tobacco. G 25. 623

39 Weikel & Smith Spice Co., Philadelphia, Pa.—Mustard, spices, celery-salt, blacking. H 28. 623

40 Kinney, Francis S., New York, N. Y.—Cigarettes and tobacco. G 25. 623

41 Frishmuth Bros. & Co., Philadelphia, Pa.—Tobacco; fine-cut and smoking tobacco. I 24. 623

42 Swank, M. J., Philadelphia, Pa.—Cigars. G 25. 623

43 Fell, C. J., & Bro., Philadelphia, Pa.—Spices, mustards, crude and manufactured. J 21. 623

44 Stewart, Ralph, & Co., Philadelphia, Pa.—Scotch snuff. G 26. 623

45 Holbrook, Edward, Louisville, Ky.—Manufactured tobacco. H 25. 623

46 Israel, J. N., Philadelphia, Pa.—Cigars. G 26. 623

47 Boyd, G., & Co., Philadelphia, Pa.—Coffee, green and roasted. C 22. 623

48 Wardle, George F., Philadelphia, Pa.—Plug chewing tobacco. G 24. 623

49 Blackwell, W. J., & Co., Duchane, N. C.—Plug, leaf, and smoking tobacco. H 23. 623

50 Batchelor Brothers, Philadelphia, Pa.—Cigars, tobacco-plants. G 23. 623

51 Trowbridge, W. H., Danville, Va.—Chewing and smoking tobacco. G 24. 623

52 Shelton Tobacco Curing Co., Asheville, N. C.—Tobacco-hanger. G 24. 623

53 Wilkens, H., & Co., Baltimore, Md.—Smoking tobacco and snuff. H 24. 623

54 Cills, Wm., Philadelphia, Pa.—Tobacco packing-box. I 26. 623

55 V. Martinez Ybor & Co., Key West, Fla.—Cigars. I 24. 623

56 Western North Carolina Land Co., Philadelphia, Pa.—Cereals, fruits, cotton, and tobacco. E 19. 623

57 Marburg Bros., Baltimore, Md.—Smoking and leaf tobacco. G 26. 623

58 Volinia Farmers' Club, Volinia, Mich.—General farm products, cereals, etc. I 15. 623

59 Seidenberg & Co., New York, N. Y.—Key West and Havana cigars. I 23. 623

60 Shuck, Samuel, Bedford, Pa.—Antinervous cigars. I 26. 623

61 Watkins, W. M. & C., Milton, N. C.—Plug and fine leaf tobacco. I 25. 623

62 Bailey, Samuel M., Richmond, Va.—Plug tobacco. I 25. 623

63 Mayo, P. H., & Brother, Richmond, Va.—Plug tobacco. H 25. 623

64 Holbrook, Harry C., Louisville, Ky.—Plug tobacco. G 25. 623

65 Turpin & Brother, Richmond, Va.—Plug tobacco. H 25. 623

66 Suehn, Emil J., Philadelphia, Pa.—Cigars. G 24. 623

67 Cohen, John B., Philadelphia, Pa.—Cigars. G 24. 623

68 Gulden, Charles, New York, N. Y.—German, French, and American mustards. I 28. 623

69 Lorillard, P., & Co., New York, N. Y.—Plug and fine-cut chewing tobacco, smoking tobacco and snuffs. I and H 25. 623

70 Lovell & Buffington, Covington, Ky.—Fine-cut chewing tobacco. G 25. 623

71 Kimball, Wm. S., & Co., Rochester, N. Y.—Chewing and smoking tobacco. G 25. 623

72 Felgner, P. W., & Son, Baltimore, Md.—Smoking tobacco. H 26. 623

73 Gail & Ax, Baltimore, Md.—Smoking, fine-cut chewing tobacco, and snuffs. I 26. 623

74 Kerbs & Spiess, New York, N. Y.—Cigars. G 26. 623

75 Armistead, Louis L., Lynchburg, Va.—Granulated smoking tobacco. I 24. 623

76 Mellen, L. F., West Springfield, Mass.—Connecticut-seed leaf tobacco. J 26. 623

77 Brito, Joseph Z., & Co., New York, N. Y.—Cigarettes. H 25. 623

78 Alces, George, New York, N. Y.—Cigars. H 24. 623

79 Sullivan & Burk, Detroit, Mich.—Cigars of home manufacture. H 26. 623

80 Gumpert Bros., Philadelphia, Pa.—Cigars. I 26. 623

81 Colburn, A., & Co., Philadelphia, Pa.—Mustard, spices, and washing-blue. G 28. 623

82 Bonnett, Schuck, & Earle, New York, N. Y.—Spices and mustard. G 28. 623

83 Allen, J. F., & Co., Richmond, Va.—Granulated plug and cut smoking tobacco, plug tobacco, cigarettes. I 25. 623

84 Dean, William G., New York, N. Y.—Mustard. I 28. 623

85 Agnew, Eisenbeis, & Co., Allegheny, Pa.—Table, pickling, and aromatic vinegars. H 28. 623

86 Caskie, Robert A., Rocheport, Mo.—Tobacco. H 26. 623

87 Boden, H. W., & Co., Milwaukee, Wis.—Vinegar. H 28. 623

88 Tobacco-Growers of Penn's Manor, Morrisville, Pa.—Unsweated tobacco. I 24. 623

89 Buist, Robert, Jr., Philadelphia, Pa.—Seeds. G 15. 624

90 Fulton, Joseph W., Libertyville, Iowa.—Corn, grains, grass, and fieldseeds, vegetable seeds, etc. G 15. 624

91 Meehan, Thomas, Philadelphia, Pa.—Seeds of native hardy trees and shrubs. G 16. 624

Agricultural Products, Land and Water Animals, Animal Products.

92 Thurlow, H., Skaneateles, N. Y.—Teasels. H 15. 624
 93 Rogers, C. B., Philadelphia, Pa.—Field and garden seeds. I 16. 624
 94 Red Wing Mills, Red Wing, Minn.—Fife-wheat. I 26. 624
 95 McLaughlin, J. M., & Son, Skaneateles, N. Y.—Teasels. H 15. 624
 96 Thornburn, J. M., & Co., New York, N. Y.—Garden, flower, field, and tree seeds. I 26. 624
 97 Henderson, Peter, & Co., New York, N. Y.—Field and garden seeds. I 16. 624
 98 Illinois State Board of Agriculture (collective exhibit), Springfield, Ill.—Samples illustrating the agricultural, horticultural, geological, and other resources of the State. G 22. 600-624

Land Animals.

99 Michigan State Agricultural College, Lansing, Mich.
 a Birds, useful and injurious. H and I 20 to 21. 635
 b Insects, useful and injurious. 638
 100 Beath, J. R., Philadelphia, Pa.—Stuffed birds. K 23. 635
 101 Aldrich, P. W., Readville, Mass.—Stuffed birds. K 23. 635
 102 Howlett, C. K., Hudson, Ohio.—Stuffed birds of America. K 23. 635
 103 Brown, Clark, D. W., Aurora, Ill.—Stuffed birds. K 24. 635
 104 Crenshaw, George, Philadelphia, Pa.—Stuffed Hamburg fowls, with their young. K 24. 635
 105 Academy of Natural Sciences, Allentown, Pa.
 a Birds with their nests and eggs. 635
 b Quadrupeds. K 23. 637
 106 Rosenbaum, F., Watertown, Wis.
 a Wisconsin birds. K 23. 635
 b Animals of Wisconsin. 637
 107 Forster, Christian, Hamilton, Ohio.
 a Mounted birds of North America. K 24. 635
 b Mounted animals of North America. 637
 108 Wallace, John, New York, N. Y.—Stuffed animals. K 24. 635

[Special displays of Live-Stock are arranged to be held during September, October, and November.]

Water Animals, Fish Culture, and Apparatus.

109 Ward, Henry A., Rochester, N. Y.—Casts of fossils, zoological specimens, mammals, birds, reptiles, fishes, batrachians, etc., stuffed and mounted. K 26 to 27. 640
 109 a Crenshaw, George, Philadelphia, Pa.—Stuffed fish. K 24. 641
 110 American Sardine Co., New York, N. Y.—Boneless sardines. A 19. 642
 111 Hapgood & Co., San Francisco, Cal.—Preserved salmon. A 19. 642
 112 Goodale, S. L., Saco, Maine.—Food extract from the juices of fish. J 23. 426
 113 Rogers, John S., Gloucester, Mass.—Gelatine, isinglass, and glue made from salt-fish skins. A 22. 646

114 Norwood, C., & Son, Ipswich, Mass.—Isinglass. A 22. 646
 115 Müller, Gustave, Chicago, Ill.—Russian isinglass. A 22. 646
 116 Gulden, Charles, New York, N. Y.—Salad oils. I 28. 646
 117 Fox, George, Jr., Philadelphia, Pa.—Split and glued bamboo trout fly rods. A 27. 647
 118 Shipley, A. B., & Son, Philadelphia, Pa.—Fishing tackle. A 15. 647
 119 Ferrell, J. A., Bloomfield, Ky.—Angler's transparent float. A 26. 647
 120 Mansfield, G. H., & Co., Canton, Mass.—Braided fishing lines. A 26. 647
 121 Conroy, Bissett, & Malleson, New York, N. Y.—Fishing rods, reels, lines, flies, and fishing tackle. A 28. 647
 122 City of Gloucester, Essex co., Mass.—Exhibit of her progress, development, and industries as the largest fishing port in the United States. A and B 20 and 21. 647
 123 Douglass, W. & B., Middletown, Conn.—Aquariums. C 18. 648
 124 Murphy & Broom, Philadelphia, Pa.—Aquarium tanks. C 25. 648
 125 Clarke, N. W., Northville, Mich.—Fish-hatching apparatus. A 24. 648
 126 Taxis, E. W., Philadelphia, Pa.—Aquarium tank. A 21. 648

Animal and Vegetable Products.

127 Crawford & Watson, Philadelphia, Pa.—Bleached sponge. F 26. 650
 128 American Condensed Milk Co., New York, N. Y.—Condensed milk. J 21. 651
 129 Napheys, George C., & Son, Philadelphia, Pa.—Refined leaf lard. K 20. 652
 130 Chalmers, James, & Sons, Williamsburg, N. Y.—Gelatine. K 22. 652
 131 Wilcox, W. J., & Co., New York.—Refined leaf-lard. K 21. 652
 132 Stein, Hirsh, & Co., Chicago, Ill.—Egg albumen, blood albumen, casein and dried blood. J 22. 652
 133 Brown, William H., Peabody, Mass.—Prepared sizing, glue. K 20. 652
 134 Franklin Glue Works, Pittsburg, Pa.—Glue, neats-foot oil. K 20. 652
 135 Upton, George, Boston, Mass.—Glue in sheets, broken, ground, and powdered. K 20. 652
 136 Peter Cooper's Glue Factory, New York, N. Y.—Glue, gelatine, neats-foot oil. K 22. 652
 137 Lister Brothers, Newark, N. J.—Glue, tallow, etc. C 25. 652
 138 Woods & Carnahan, Cincinnati, Ohio.—Adamantine candles. J 22. 652
 139 Meriam Packing Co., Boston, Mass. J 20.
 a Hides, tallow, etc. 652
 b Mess beef, concentrated roast beef, and canned turtle. 656
 140 State of Oregon (collective exhibit), Portland, Oregon. E 22.
 a Glue, condensed cider. 652
 b Dried fruit. 656
 c Farina, flour, and oatmeal. 657

Animal and Vegetable Products.

141 Mellen & Co., New York, N. Y.—Renovated live-geese feathers. H 17. 653

142 Harbison, W. C., New Castle, Pa.—White Mountain honey. J 23. 654

143 Fritsch, Joseph, Carlstadt, N. J.—Unbleached wax. J 23. 654

144 Lewis, W. K., & Brothers, Boston, Mass.—Preserves, pickles, catsups, condensed milk, canned fruits, meats, and vegetables. J 22. 656

145 Portland Packing Co., Portland, Maine.—Canned vegetables, fruits, meats, poultry, and shell-fish. J 23. 656

146 Sleeper, Wells, & Aldrich, Burlington, N. J.—Canned vegetables. J 24. 656

147 Atmore & Son, Philadelphia, Pa.—Mincemeat and English plum-pudding. J 24. 656

148 Slocum, W. H., & Bro., Philadelphia, Pa.—Mincemeat, canned goods. J 23. 656

149 Brakeley, Asher, Bordentown, N. J.—Canned tomatoes. J 24. 656

150 Anderson & Campbell, Camden, N. J.—Canned fruits, vegetables, fruit-butter, and mincemeat. J 24. 656

151 Boyd, G., & Co., Philadelphia, Pa.—Dried grain and fruit. C 22. 656

152 Heintz, Noble, & Co., Pittsburgh, Pa.—Pickles, vinegar, sauces, catsups, etc. J 22. 656

153 Reeves, Parvin, & Co., Philadelphia, Pa.—Canned vegetables. J 23. 656

154 Wright, Joshua, & Son, Philadelphia, Pa.—Minced meat. J 24. 656

155 Wilson Packing Co., Chicago, Ill.—Hermetically sealed cooked meats; corned beef, ham, tongue, and fresh beef. J 23. 656

156 Norris, J. W., & Co., New York, N. Y.—Hams, shoulders, and bacon. J 20. 656

157 Githens & Rexsamer, Philadelphia, Pa.—Canned fruits and vegetables. J 23. 656

158 Du Vivier & Co., New York, N. Y.—Pickles and delicacies. J 20. 656

159 Haller, Ella G., New York, N. Y.—Choice fruits. J 21. 656

160 Gordon & Dilworth, New York, N. Y.—Preserved domestic and foreign fruits, jellies, canned goods, sauces, syrups, and general table delicacies. J 23. 656

161 Dover Canning Co., Dover, Del.—Canned goods, fresh and preserved fruits, vegetables, meats, etc. I 24. 656

162 Snedeker, David, New York, N. Y.—Preserved fruit, vegetables, meat, etc. I 24. 656

163 McMurray, L., & Co., Baltimore, Md.—Canned vegetables, fruits, and oysters. J 24. 656

164 Richardson & Robbins, Dover, Del.—Canned and preserved fruits, potted meats, etc. J 24. 656

165 Fruit-Growers' Trade Co. of New Jersey, New York, N. Y.—Cranberries, natural and preserved, canned tomatoes, etc. D 24. 656

166 Clarkson, F. M., & Son, Bridgeville, Del.—Evaporated and conserved fruits and vegetables. J 42. 656

167 Borden, John G., Brewsters, N. Y.—Condensed milk, coffee, and cocoa, extract of beef, etc. I 22. 656

168 American Desiccating Co., Philadelphia, Pa.—Crystallized cocoanut. J 24. 656

169 Chicago Pork-Packers' Association, Chicago, Ill.—Beef, pork, lard, hams, shoulders, sides, bacon, canned meats, tallow, etc. J 17, 18, 19. 656

170 Gulden, Charles, New York, N. Y.—Tomato catsup, capers, and olives. I 28. 656

171 New York Desiccating Co., New York, N. Y.—Prepared cocoanut for pies, cakes, etc. I 24. 656

172 Libby, McNeal, & Libby, Philadelphia, Pa.—Canned cooked meats. J 24. 656

173 Reckhow Preserving Co., Paterson, N. J.—Pickles and table sauces. J 22. 656

174 New York Hop Extract Co., New York, N. Y.—Hop extract. K 17. 656

175 Little Creek Canning Co., Little Creek, Del.—Canned fruits and vegetables. J 23. 656

176 Jones, John Winslow, Portland, Maine.—Canned green corn, lobster, mackerel, salmon, and beef. I 23. 656

177 Cassard, Geo., Baltimore, Md.—Pepper hams. K 21. 656

178 Zane, Norny, & Co., Philadelphia, Pa.—Fruit-preserving powder. J 23. 656

179 Annear, John, & Co., Philadelphia, Pa.—Pennsylvania sauce. J 21. 656

180 La Croid, James, East Medway, Mass.—Canned vegetables, apples, etc. J 23. 656

181 Brooks, E. D., Boston, Mass.—Pickles, preserves, canned goods, etc. J 21. 656

182 MacGowan, John K., Philadelphia, Pa.—Table sauce. J 21. 656

183 Underwood, W., & Co., Boston, Mass.—Canned meats, fish, fruits, vegetables, etc.; pickles, catsups, sauces, etc. J 24. 656

184 Cowdrey, E. T., & Co., Boston, Mass.—Canned vegetables, meats, and fruits, pickles, preserves, and jellies. J 21. 656

185 Burnham & Morrill, Portland, Maine.—Canned meats, soups, fish, and vegetables. J 23. 656

186 Harris, Milo, Jamestown, N. Y.—Dried fruits. D 23. 656

187 Dingee, Squire, Chicago, Ill.—Pickles, chow-chow, and sauces. J 23. 656

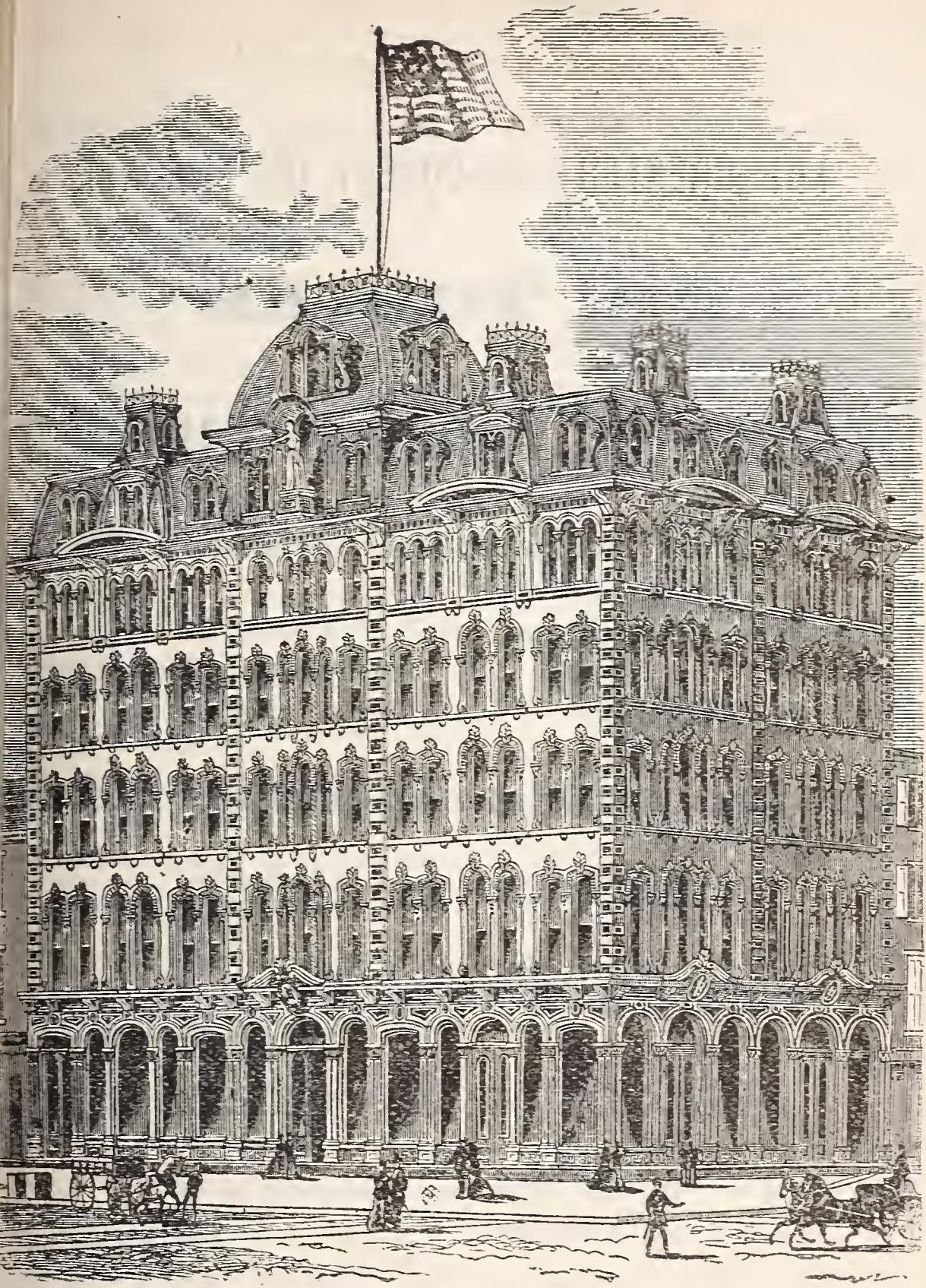
188 Holgate, Geo., & Co., Oshkosh, Wis.—Preserved fruits and vegetables; preserved meats in joint. J 23. 656

189 Williams, John, South Haven, Mich.—Evaporated fruits and vegetables. D 24. 656

190 George, P. T., & Co., Baltimore, Md.—Hams, lard, and lard oil. K 21. 656

191 Jacob, Chas., jr., & Co., Cincinnati, Ohio.—Hams, shoulders, breakfast bacon, mess pork, mess and dried beef, beef tongues, etc. J 15-16. 656

192 Keck, J. L., & Bros., Cincinnati, Ohio.—Pickled meats, lard, etc. J 15-16. 656



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SCHENCK'S PULMONIC SYRUP,
A POSITIVE CURE FOR CONSUMPTION.

SCHENCK'S SEAWEED TONIC,
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SCHENCK'S MANDRAKE PILLS,
FOR ALL BILIOUS DISORDERS.

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TWENTY-NINE YEARS BEFORE THE PUBLIC.

Warranted to cure Colic, Diarrhœa, Spasms, and Vomiting, taken internally, and Croup, Chronic Rheumatism, Cuts, Bruises, Insect Stings, Sore Throats, Toothache, Old Sores, and Pains in the Back, Chest, and Limbs, externally.

IT HAS NEVER FAILED, NOR HAS ONE BOTTLE BEEN RETURNED,

ALTHOUGH MILLIONS ARE SOLD ANNUALLY.

 No one once using it is ever without it.

\$1000 REWARD

Has for years been offered for any certificate which he has published in the newspapers or on his circulars proving false!!

No one should go to sea without it. It cures sea-sickness; and a few drops put in a tumbler of water entirely corrects the impurities, and makes it invaluable on land as on the sea.

Thousands of certificates can be seen at the Depot,

10 PARK PLACE, NEW YORK.

 Sold by all Druggists. Price, 50 Cents and One Dollar.

Animal and Vegetable Products.

193 Kahn & Forbes, Cincinnati, Ohio.—Mess pork, bacon, lard, sugar-cured hams, boxed meats, etc. J 15-16. 656

194 Evans, Lippincott, & Cunningham, Cincinnati, Ohio.—Bacon, hams, mess pork, lard, and breakfast bacon. J 15-16. 656

195 Davis, S., Jr., & Co., Cincinnati, Ohio.—Smoked hams and breakfast bacon. J 15-16. 656

196 Morrison, James, & Co., Cincinnati, Ohio.—Hams, bacon, mess pork, lard, English meats, etc. J 15-16. 656

197 Fell, C. J., & Bro., Philadelphia, Pa. J 21.
 a Gelatine. 656
 b Self-raising flour. 657

198 Dunbar, G. W., & Sons, New Orleans, La. J 24.
 a Shell-fish, vegetables, and fruits. 656
 b Cordials and syrups. 660

199 Lagomarsino & Cuneo, Philadelphia, Pa.—Macaroni, vermicelli, fancy paste, farina, etc. J 26. 657

200 Outcalt, John, Spotswood, N. J.—Hominy, samp, corn, and wheat flour. J 26. 657

201 Tyrrell, I. F., & Co., New York, N. Y.—Oatmeal. J 27. 657

202 Schumacher, Ferd., Akron, Ohio.—Oatmeal, barley, farina, cracked wheat, flour, hominy, meal, feed, and grain. J 26. 657

203 Hecker, George V., & Co., New York, N. Y.—Self-raising flour, buckwheat, griddle-cake flour, farina, and cracked wheat. J 25. 657

204 Red Wing Mills, Red Wing, Minn.—Flour. I 26. 657

205 Baltimore Pearl Hominy Co., Baltimore, Md.—Breakfast hominy, meal, flour, samp, etc. J 28. 657

206 Jewell Brothers, Brooklyn, N. Y.—Plain and self-raising flour, babies' cereal food. J 28. 657

207 Miller, Charles L., Colon, Mich.—Pumpkin flour. J 28. 657

208 Stuart & Douglas, Cedar Rapids, Iowa.—Oatmeal. J 22. 657

209 Duryea's Glen Cove Starch Co., Glen Cove, N. Y.—Laundry starch, corn starch, and maizena. J 15-16. 658

210 Kingsford, T., & Son, Oswego, N. Y.—Laundry starch, corn starch, etc. J 13-14. 658

211 Wood, Julius J., & Co., Columbus, Ohio.—Laundry starch, corn starch for food. J 21. 658

212 Erkenbrerher, Andrew, Cincinnati, Ohio.—Starch, cornena, sateena, etc. J 17, 18, 19. 658

213 Johnson, R., & Son, Madison, Ind.—Starch. J 22. 658

214 Miller, H. J., & Co., West Liberty, Ohio.—Maple sugar and molasses. J 25. 659

215 Post, C. C., Burlington, Vt.—Maple sugar and syrup. C 24. 659

216 Murdork, Albert L., Boston, Mass. H 17.
 a Beet sugar. 659
 b Peat. 660

217 Nennich, Henry, Philadelphia, Pa.—Vinegar. G 28. 660

218 Chalvin, H. A., New York, N. Y.—Cordials, syrups, and extracts. K 11. 660

219 Hinckle, Julius, Egg Harbor City, N. J.—Domestic wines. K 12. 660

220 Urbana Wine Co., Hammondsport, N. Y.—Champagne, still wines, and brandy from native grapes. K 12. 660

221 Johnson, T. H., Bricksburg, N. J.—Domestic wines. J 23. 660

222 Mills, William H., Sandusky, Ohio.—Still and sparkling domestic wines. K 14. 660

223 American Champagne Co., New York, N. Y.—Still and sparkling wines. K 13. 660

224 Smith's, J. H., Sons, New York, N. Y.—California wines and brandies. K 11. 660

225 United Wine-Growers, Egg Harbor, N. J.—Native grape wines. K 8. 660

226 American Wine Co., St. Louis, Mo.—Sparkling and still wines. K 14. 660

227 Dreyfus, B., & Co., San Francisco, Cal.—California wines and brandies. K 14. 660

228 Poeschel, M., & Scherer, Hermann, Mo.—Native wines. K 13. 660

229 Kohler & Frohling, San Francisco, Cal.—California wines and brandies. K 10-11. 660

230 Keller, J. S., Orwigsburg, Pa.—Wine and whisky. K 13. 660

231 Werk, C. Wehr, & Son, Middle Bass Island, Ohio.—Native wines. K 8. 660

232 Buena Vista Vinicultural Society, San Francisco, Cal.—Wines and brandy. K 11. 660

233 Keller, M., Los Angelos, Cal.—Wines and brandies. K 7. 660

234 Pleasant Valley Wine Co., Hammondsport, N. Y.—Champagne, still wines, and brandies. K 14. 660

235 Middleton, G. W., & Co., Philadelphia, Pa.—Alcohol, rectified, French, and Cologne spirits. K 16. 660

236 Landsberger, I., & Co., San Francisco, Cal.—Champagnes and brandies. K 7. 660

237 Bellu, Jacob, Detroit, Mich.—Native grape wines, currant and elderberry wines. K 7. 660

238 Hathaway, Vincent, & Co., Boston, Mass.—Boston ginger ale. K 17. 660

239 Hannis Distillery Co., Philadelphia, Pa.—Whisky. K 15. 660

240 Wideman, Hard, & Co., Cleveland, Ohio.—Domestic wines and brandy. K 16. 660

241 Pierce, S. S., & Co., Boston, Mass.—Champagne cider. J 23. 660

242 Mears, Freed, & Co., New York City, N. Y.—Ale. K 17. 660

243 Smith, A. M., Philadelphia, Pa.—Still and sparkling wines from Orleans Hills vineyards, Sacramento, Cal. K 7. 660

244 Landauer Bros., Philadelphia, Pa.—Rye whisky. K 16. 660

Vegetable Products, Textile Substances, Implements.

245 Levy, James, & Bro., Cincinnati, Ohio.—Bourbon and rye whiskies. K 16. 660

246 Bannihe, John H., Egg Harbor City, N. J.—Native grape wines. K 14. 660

247 Goetze, F. A., Jersey City, N. J.—Native wines. K 13. 660

248 Huck, John A., Chicago, Ill.—Wines. K 12. 660

249 Mahé, Gustave, San Francisco, Cal.—Golden wine. K 14. 660

250 Steuben County Vineyard Association, Bath, N. Y.—Native grape wines and brandy. K 9. 660

251 Cirqui, Joseph, Newark, N. J.—Wine. K 9. 660

252 Kelley's Island Wine Co., Kelley's Island, Ohio.—Champagnes and claret wines, etc.; Catawba brandy. K 11. 660

253 Perkins, Stern, & Co., New York, N. Y.—California wines and brandies. K 8. 660

254 Whitman, Stephen F., & Son, Philadelphia, Pa.—Variety of manufactures in confectionery and chocolate. K 25. 661

255 Baker, Walter, & Co., Boston, Mass.—Chocolate and cocoa preparations. K 25. 661

256 Rumford Chemical Works, Providence, R. I.—Yeast powder, cream tartar, acid phosphate, and bread preparation. K 21. 661

257 Wilson, Walter, G., & Co., Philadelphia, Pa.—Crackers and biscuit. K 23. 661

258 Larrabee, E. J., & Co., Albany, N. Y.—Biscuit, crackers, etc. K 22. 661

259 Croft, Wilbur, & Co., Philadelphia, Pa.—Confectionery, lozenges, glace fruit, etc. K 26. 661

260 Morse, G. Byron, Philadelphia, Pa.—Plain and fancy cakes, milk and cream biscuits, rolls, buns, pastry, etc. K 26. 661

261 Chase & Co., Boston, Mass.—Confectionery. K 28. 661

262 Hartman, John, Philadelphia, Pa.—Crackers, cakes, and biscuits. K 24. 661

263 Weaver, J. R., Philadelphia, Pa.—Confectionery. K 27. 661

264 Schare & Co., New York, N. Y.—Ornamental confectionery. K 25. 661

265 Mockridge, E., & Co., Philadelphia, Pa.—Azumea, bread, cakes, pastry, etc. K 21. 661

266 Greenfried & Strauss, New York, N. Y.—Confectionery, medicated and other lozenges, etc. K 26. 661

267 Dexter, E. M., & Co., Philadelphia, Pa.—Ornamental confectionery. K 27. 661

268 Laurent, F., Philadelphia, Pa.—Confectionery and decorative ornaments for cakes. K 27. 661

269 Henry Maillard, New York, N. Y.—Bonbons, chocolate, ornamental confectionery. K 25. 661

270 Thorn & Brother, Trenton, N. J.—Crackers, butter, oyster, wine, and scroll biscuit. K 24. 661

271 Geifuss, H. H., Philadelphia, Pa.—Ornamental confectionery. K 28. 661

272 Heide & Wirtz, New York, N. Y.—Almond paste. K 23. 661

273 Brunnen, Christ-zum, Philadelphia, Pa.—Fine confectionery, lozenges. K 28. 661

274 Exton, Adam, & Co., Trenton, N. J.—Butter, oyster, and wine crackers. K 23. 661

275 Runkel, H., & Co., Clifton, N. Y.—Chocolate goods and cocoa for confectioners. K 28. 661

276 Florentine Candy Company, Chicago, Ill.—Flake candy. K 27. 661

277 National Yeast Company, Seneca Falls, N. Y.—Dry-hop yeast cakes. K 17. 661

278 Smith's Homeopathic Pharmacy, New York, N. Y.—Alkethrepta, soluble chocolate, and chocolate confections. K 27. 661

279 Thurston, Hall, & Co., Cambridgeport, Mass.—Boston crackers. K 21. 661

280 Central Oil Mills, Selma, Ala.—Crude cotton-seed oil, refined oil, and cotton-seed oil-cake. C 25. 662

Textile Substances of Vegetable or Animal Origin.

281 Murdork, Albert L., Boston, Mass.—Cotton from all countries. E 25. 665

282 Claghorn, Herring, & Co., Philadelphia, Pa.—The cottons of the world. G 18 and 19. 665

283 State of West Virginia (collective exhibit).—Hemp and flax. F 19. 666

284 George Stratford, Jersey City, N. J.—Oakum. H 17. 666

285 Boston Excelsior Co., Boston, Mass.—Excelsior for upholstering purposes. I 17. 666

286 Wannemacher, Samuel, North Jackson, Ohio.—Spinning tow, made from native flax straw. E 24. 666

287 American Linen-Thread Co., Mechanicville, N. Y.—Flax, gilling, and machine threads, warp, filling, and twines. E 24. 666

288 State of Oregon, Portland, Oregon.—Wool and woolen fabrics. E 22. 667

289 Bond, George W., Boston, Mass.—Commercial wools. I 19. 667

290 Northern Ohio Woolen Mills, Cleveland, Ohio.—All-wool shoddy. I 18. 667

291 Wilkens, Theodore, New York, N. Y.—Hair moss for upholstering. E 26. 669

292 Mellen & Co., New York, N. Y.—Curled horse-hair tickings. I 26. 669

293 Herzog, J., & Co., San Francisco, Cal.—Eureka hair, substitute for curled hair. H 17. 669

294 Franklin Glue Works, Pittsburgh, Pa.—Curled hair. K 20. 669

295 Wilkens, William, & Co., Baltimore, Md.—Bristles, horse-hair, fibre, curled hair, etc. H 17. 669

Machines, Implements, and Processes of Manufacture.

296 Collins & Co., Hartford, Conn.—Axes, hatchets, adzes, machetes, railway and mining tools, plows, etc. N 24. 670

Machines, Implements, and Processes of Manufacture.

297 Myers & Ervien, Philadelphia, Pa.—
—Hay-forks, etc., potato-drags. S 25. 670

298 Sweepstakes Plow Co., San Francisco, Cal.—Gang-plows, tiller-plows, etc. N 25. 670

299 Harper, Smith, Philadelphia, Pa.—
Steel hoes, rakes, etc. T 26. 670

300 Bean, H., & B. F., Pawling, Pa.—
Corn-marker, cultivator, grain and seed sower. N 19. 670

301 Bateman, E. S., & F., Spring Mills, N. J.—Field and garden cultivators. N 23. 670

302 Peppler, Thomas, Hightstown, N. J.—Plow and cultivator. M 24. 670

303 Kissell, Blount, & Co., Springfield, Ohio.—Corn cultivator. N 24. 670

304 Bucher, Gibbs, & Co., Canton, Ohio.—Plows on revolving tables representing "1776 and 1876." L 24. 670

305 Decker, P. H., Chicago, Ill.—Hollow tooth harrow, and roller mold-board plow. P 26. 670

306 Parrott, Charles, Dayton, Ohio.—Plows. L 25. 670

307 O'Brien, J., Kewanee, Ill.—Sectional vibrating harrows. L 26. 670

308 Park, H., & H., Mt. Victory, Ohio.—Fork, hoe, and broom handles. T 25. 670

309 Beers, Edwin A., De Kalb, Ill.—Sulky and gang plows. L 27. 670

310 Deere & Co., Moline, Ill.—Steel plows, gang and sulky plows, walking corn-cultivators. Q 24. 670

311 Morrison Brothers, Fort Madison, Iowa.—Self-cleaning iron and wood beam plow. L 24. 670

312 Sheble & Fisher, Philadelphia, Pa.—Hay and manure forks, rakes, potato-hooks, and manure-drags. S 25. 670

313 Wallace, Samuel J., Keokuk, Iowa.—Straddle-row cultivator. L 26. 670

314 Miller & Wallace, Keokuk, Iowa.—Texas plow. L 26. 670

315 Isaacs, Fred. H., Newark, N. J.—Sulky gang-plow. M 25. 670

316 Cotton, A. C., Vineland, N. J.—Reversible scuffle-hoe. D 17. 670

317 Heydrick, W. H. H., Philadelphia, Pa.—Steam plow, and farm engine. L 23. 670

318 Myer, B., Newark, N. J.—Plows. N 25. 670

319 Coupal & Dalpaz, St. Anne, Ill.—Dirt-scaper. C 17. 670

320 Brewster, Dodge, & Huse, Peru, Ill.—Wheel corn-cultivator, steel plows for old ground and for breaking prairie-sod. Q 26. 670

321 Greenwich Machine Works, Greenwich, N. Y.—Cultivator and shovel plow. M 26. 670

322 Richmond Plow Works, Richmond, Ind.—Steel plows. L 25. 670

323 Moline Plow Co., Moline, Ill.—Wood-beam plows, steel-beam plows, and cultivators. Q 26 and 28. 670

324 Laurence and Chapin, Kalamazoo, Mich.—Plows. M 24. 670

325 Muschert, B. F., Morrisville, Pa.—Cultivator plow. M 25. 670

326 Rogers, C. B., Philadelphia, Pa.—Cultivators, berry and fruit baskets. M 26. 670

327 Benson, B. S., Baltimore, Md.—Steam plow. N 9. 670

328 Speer, Alexander, & Sons, Pittsburgh, Pa.—Iron and steel plows. M and L 28. 670

329 South Bend Iron Works, South Bend, Ind.—Chilled plows and attachments, specimens of chilled metal. P 26. 670

330 Hull, David H., Syracuse, N. Y.—Machine for stripping and booking tobacco. M 22. 670

331 Brous, T. Miles, Philadelphia, Pa.—Plows. M 24. 670

332 Buford, H. D., & Co., Rock Island, Ill.—Plows and cultivators. O 28. 670

333 Wiard & Hough, East Avon, N. Y.—Wood and iron beam plows. O 26. 670

334 Estes, William A., Boston, Mass.—Anti-friction plow. N 26. 670

335 Halsey, H. Monroe, Thomaston, Me.—Rotary harrow. L 28. 670

336 Travis, A. B., Brandon, Mich. L 22.
a Horse wheat-hoe. 670
b Seed drill. 671

337 Root, D., Son & Co., Mount Joy, Pa.—Steel and iron plows, cultivators, and agricultural steels. L 28. 670

338 Reynolds, E. D., & O. B., Brockton, Mass. N 25.
a Gang plows and attachments, cultivators, harrows, and horse hoes. 670
b Seed drills, planters, etc. 671

339 Pitcher, L. D., Dixon, Ill.—Loose-grain fork. T 25. 670

340 Chicago Plow Co., Chicago, Ill.—Plows and cultivators. P 28. 670

341 Wagener, Jeptha A., Holtsville, N. Y. P 22.
a Plow with new attachments. 570
b Corn-stalk cutter and grinder. 674

342 Avery, B. F., & Sons, Louisville, Ky.—Plows, cultivators, etc. N 28. 670

343 Walker, James R., Detroit, Mich.—Iron plow. K 28. 670

344 Harnish, Edward P., Felton, Del. L 22.
a Cultivator. 670
b Corn-planter. 671

345 Gregg & Co., Trumansburg, N. Y. R 20.
a Sulky-plow. 670
b Mowing-machine. 672

346 Hutchinson, Samuel, Griggsville, Ill.—Adjustable harrow. P 28. 670

347 Opp, Henry, Belleville, Ill.—Gang and sulky plow. M 24. 670

348 Gifford, Johnson, & Co., Hudson, N. Y.—Pulverizing-cultivators, corn-cultivators, and hillng-plows. O 26. 670

349 Keller, Charles F., Harbor Creek, Pa. M 24.
a Combined cultivator and planter. 670
b Double-row self-regulating planter. 671

350 Ames, Oliver, & Sons, North Easton, Mass.—Shovels, spades, scoops, and drainage tools. S 26. 670

351 Griffiths, George, Philadelphia, Pa.—Shovels, spades, handles, coal-hods, and pans. T 27. 670

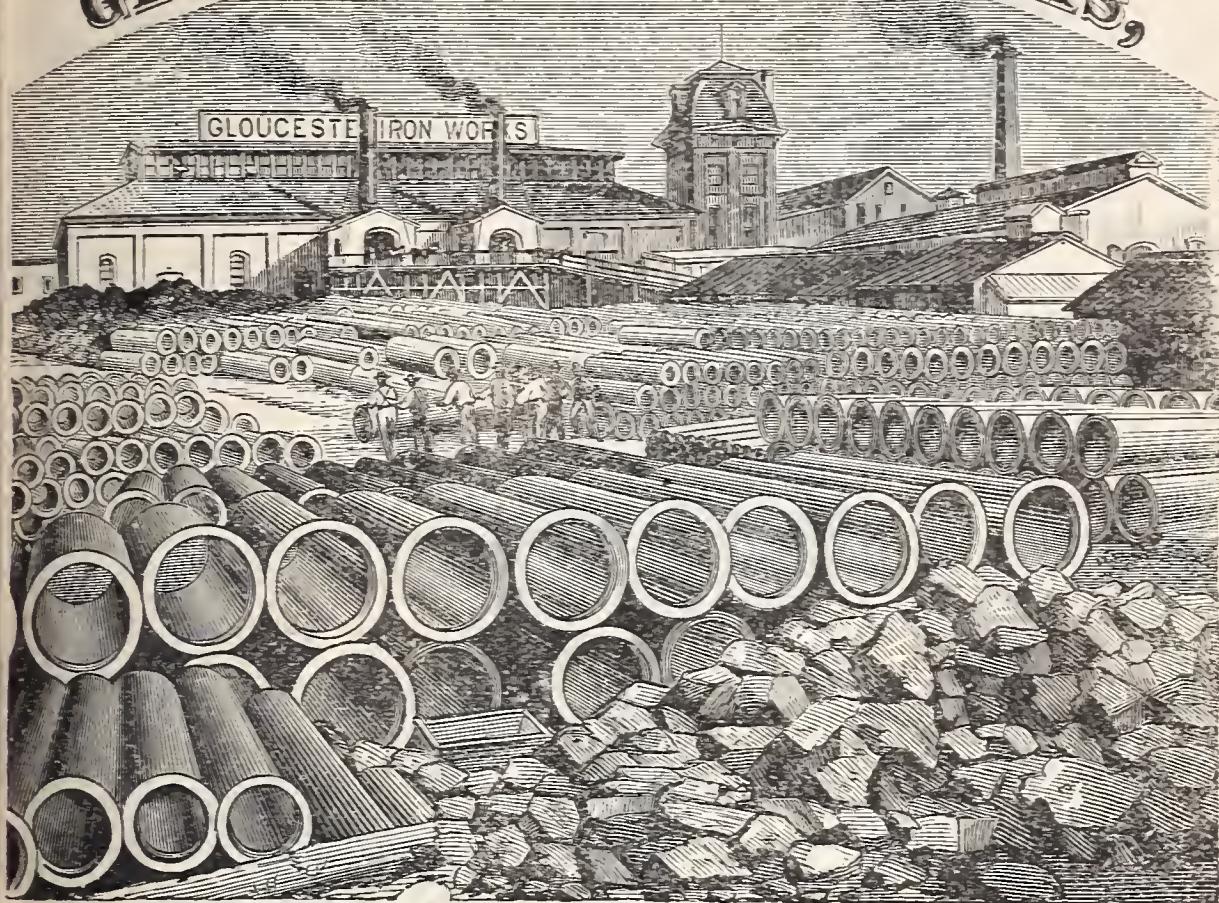
Machines, Implements, and Processes of Manufacture.

352	Frank, Charles, Freeburg, Ill.—Combined plow and cultivator, plows, cultivators, etc. M 26.	670	369	New York Plow Co., New York, N. Y. N 21.
353	Rowland, T., & Sons, Philadelphia, Pa.—Shovels and spades. T 17, A 17.	670	a	Plows, harrows, rollers, clod-crushers, etc.
354	Walton, Silas, Moorestown, N. J.—Garden and field cultivator. L 25.	670	b	Hay-rakes.
355	Rue, J. Chalmers, Englishtown, N. J.—Gang-plow. L 25.	670	c	Corn-shellers.
356	Smith, Peter E., Scotland Neck, N. C. M 24.		d	Cider and wine mills.
	a Sulky-plow.	670	370	Hillborn, Buckman, & Co., New-town, Pa. L 11. .
	b Cotton-seed planter.	671	a	Plows.
357	Bayliss, Edwin, Massillon, Ohio. O 17-18.		b	Mower, horse-rake, etc.
	a Wheel-harrow, iron cultivator, and shovel-plow.	670	c	Corn-sheller.
	b Harvester.	672	d	Fodder-cutter.
358	Ward's Fertilizer Co., Boston, Mass. M 26.		371	Wheeler & Melick Co., Albany, N. Y. Q 7.
	a Harrows.	670	a	Wheel horse-rakes.
	b Potato-planter and digger.	671	b	Horse hay-rakes.
359	Brown, Hinman & Co., Columbus, Ohio. T 25.		c	Clover-huller, cider-mill and press, thresher and separator, horse, railway, and lever power.
	a Weeding-hoes, garden-rakes, manure and spading forks.	670	d	Feed-mill, cutter, wood-sawing machines, etc.
	b Scythe-snaths, grain-cradles, hay-forks, etc.	672	e	Dog-power for churning.
360	Mabbett, Truman, Vineland, N. J. O 26.		372	Allen, S. L., & Co., Philadelphia, Pa.—Farm and garden tools. M 20.
	a Hand and horse cultivators.	670	373	Farmers' Friend Manufacturing Co., Dayton, Ohio.—Grain, seed, and fertilizer drills. N 17.
	b Berry-crates.	674	374	Mast, P. P., & Co., Springfield, Ohio.—Grain-drills and seed-sowers, broadcast seeder and cultivator, riding or walking cultivator, and plow-sulky. M 17.
361	Withington, Cooley, & Co., Jackson, Mich. T 25.		375	McSherry, D. E., & Co., Dayton, Ohio.—Grain and seed drills. M 18.
	a Cast-steel hoes, rakes, and potato-hooks.	670	376	Petrie, James A., Jersey City, N. J.—Ground-markers and furrowers. N 23.
	b Hay and manure forks, scythe-snaths, etc.	672	377	Mechanicsburg Machine Co., Mechanicsburg, Ohio.—Screw-feed grain-drill. L 18.
362	Morrison & Fay, Bryan, Ohio. M 25.		378	Baker, John C., Mechanicsburg, Ohio.—Screw-feed grain-drill. L 18.
	a Plow.	670	379	Haworth Planter Co., London, Ohio.—Agricultural implements. L 18.
	b Corn-sheller.	674	380	Clarridge, John, Mt. Sterling, Ohio.—Corn and cotton-seed planter. M 17.
363	Grove, M. M., & Co., Harrisburg, Pa. M 22.		381	S. J. Waite Manufacturing Co., Worcester, Mass. N 22.
	a Carriage axle.	670	a	Breast drill, corner brace, saw-sett, and lathe.
	b Harvester crank pin and journal.	674	b	Apple-parer.
364	Brownback, P. N., Limerick Station, Pa. N 16.		382	Nash & Brother, New York, N. Y.—Potato-planter. N 19.
	a Threshing-machine, dust-conveyer, and plows.	670	383	Alling, Prudden, Norwalk, Ohio.—Garden cultivator and seed-drill. N 19.
	b Self-acting hay-rake, mower, and reaper.	672	384	Bickford & Huffman, Macedon, N. Y.—Grain-drills and attachments. L 18.
	c Sausage-cutter, stuffer, etc.	674	385	Hall, H. L., Chicago, Ill.—Combined seed-sower and cultivator. L 19.
365	Thomas, Ludlow, & Rodgers, Springfield, Ohio. N 18.		386	Vandiver Corn-Planter Co., Quincy, Ill.—Corn-planter. M 26 and 28.
	a Broad-cast seed-sower and cultivator.	670	387	Beitzell, Henry, Centreville, Ind.—Corn planter and drill combined. L 20.
	b Grain-drill and seed-sower.	671	388	Hoosier Drill Co., Milton, Ind.—Wheat-drill with grass-seed attachment, corn-drill. K 19.
	c Wine and cider mill presses.	674	389	Sargent, Charles R., Newburyport, Mass.—Garden-seed sower. N 19.
366	Higginum Manufacturing Co., Higginum, Conn. L 25.		390	Johnson & Gere, Owego, N. Y.—Grain-drill and attachments, fertilizer-sower. M 19.
	a Plows and agricultural implements.	670		671
	b Corn-shellers, hay-spreaders, etc.	674		
	c Cider-mills, meat-cutters, etc.	673		
367	Remington, E., & Sons, Ilion, N. Y. O 19.			
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	b Mower, horse and hand-rakes.	672		
	c Cotton-gin.	673		
	d Milk-cooler.	675		
368	Pennsylvania Agricultural Works, York, Pa. O and P 24.			
	a Plows, cultivators, and tools for cultivation.	670		
	b Seed-planter.	671		
	c Threshing-machines, horse-powers.	673		
	d Cotton-gins, steam-engines, and agricultural steels.	674		

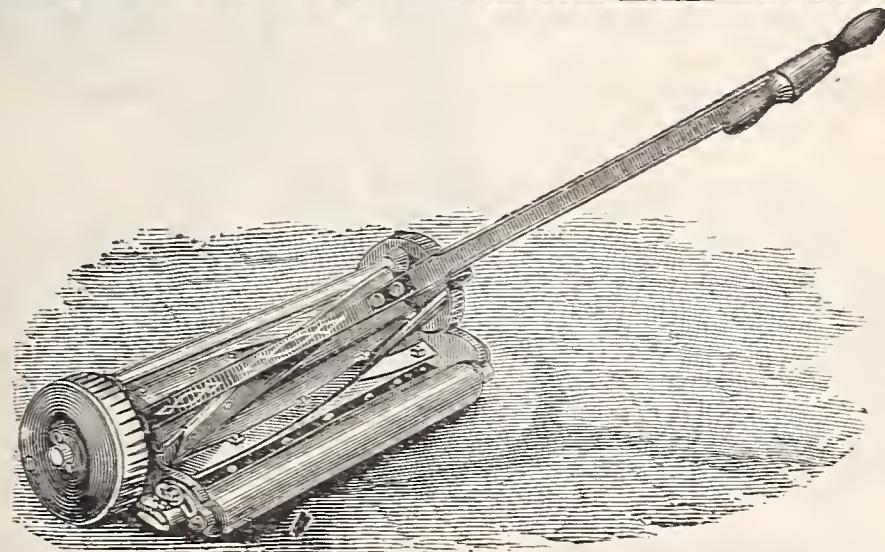
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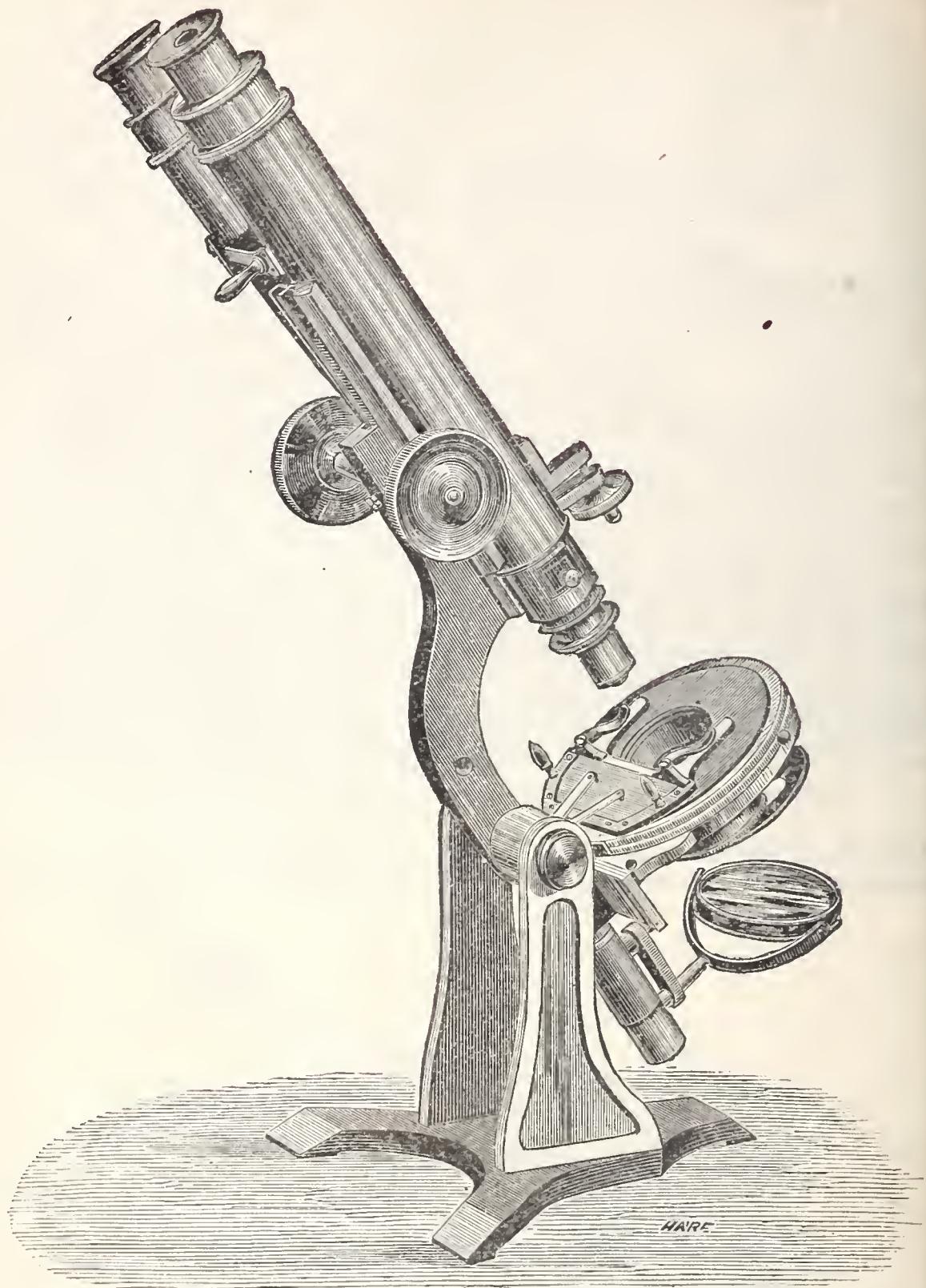
WIDTH.	POWER REQUIRED.	WEIGHT.	PRICE.
10 inch,	A Lady,	28 lbs.	\$15.00
12 "	"	34 "	18.00
14 "	A Youth,	37 "	20.00
16 "	One Man,	41 "	22.00
18 "	"	46 "	24.00

WIDTH.	POWER REQUIRED.	WEIGHT.	PRICE.
20 inch.	One Man,	50 lbs.	\$26.00
15 "	"	51 "	22.00
30 "	Light Horse,	300 "	90.00
30 "	"	345 "	110.00

These Lawn Mowers being but little over half the weight of the old style machines, they are far easier handled and very much lighter draft. They are on exhibition in Agricultural Hall, Columns L and 13 and 14.

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392 Asay & Wood, Philadelphia, Pa.—Combined corn-planter, fertilizer-distributor, and deflecting cultivator. N 22. 671

393 Crowell, J. B., & Co., Green Castle, Pa.—Grain, guano, and grass-seed drills. L 21. 671

394 Willoughby, James D., Philadelphia, Pa.—Grain-drill, with and without fertilizer attachment. L 22. 671

395 Sweeney, Hugh M., Worcester, Mass.—Liquid fertilizing machine. L 22. 671

396 Springfield Manufacturing Co., Springfield, Ill.—Corn-planter. L 19. 671

397 Worth, Andrew R., Nantucket, Mass.—Drill-barrow seed-sower. L 20. 671

398 Reutchler, D., & H., Belleville, Ill.—Grain and seed drills. M 19. 671

399 Stevens, Seth, Fryeburg Centre, Maine.—Corn-planter. P 26. 671

400 Seymour, John B., Philadelphia, Pa.—Box-hoe seed-planter. T 8. 671

401 Rutschman Bros., Philadelphia, Pa. S 24.

a Self-feeding hand-drill. 671

b Meat-chopper. 674

402 Keystone Manufacturing Co., Sterling, Ill. L 19.

a Corn-planter. 671

b Corn-sheller, cider mill and press. 673

403 Esterly, George, & Son, White-water, Wis. P 20 and 21.

a Cultivator and seeder combined. 671

b Harvester, self-raking reaper. 672

404 Brown, George W., Galesburg, Ill. L 22.

a Corn-planter. 671

b Field corn-stalk cutter. 672

405 Goodell Co., Antrim, N. H. T 14.

a Broadcast seed-sower. 671

b Apple-parers, peach-parers, cherry-stoners, etc. 674

406 Hagerstown Agricultural Implement Manufacturing Co., Hagerstown, Md. R and S 26.

a Grain, seed, and fertilizing drills. 671

b Clover huller and cleaner. 673

c Feed-cutter. 674

407 Williams Bros., Ithaca, N. Y. P 12.

a Fertilizer and grain-sower. 671

b Horse hay-rake. 672

c Portable engine. 674

408 Adriance, Platt, & Co., New York, N. Y.—Self-raking reapers and mowers. T 15. 672

409 Eagle Mowing and Reaping Machine Co., Albany, N. Y.—Mowing and reaping machines. T 18. 672

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411 Wood, Walter A., Hoosac Falls, N. Y. S 13 and T 14.

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b Mowers, reapers, harvesters, etc. 672

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413 Thomas, John H., & Sons, Springfield, Ohio.—Sulky-spring tooth hay-rake. C 15. 672

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415 Dayton Machine Co., Dayton, Ohio.—Self-dumping and hand-lever hay-rakes. L 15. 672

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417 Stoddard, John W., & Co., Dayton, Ohio.—Sulky horse hay-rakes. M 15. 672

418 Barnes, George, & Co., Syracuse, N. Y.—Mower-knives, reaper-sickles, spring keys, and cotters. M 15. 672

419 Taylor, B. C., Dayton, Ohio.—Self-dumping horse-rakes. L 24. 672

420 Coates, A. W., Alliance, Ohio.—Lock-lever horse hay-rake. L 15. 672

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a Lawn-mowers, screw-wrench, ratchet-drill. 672

b Can-opener. 674

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430 Whitman & Miles Manufacturing Co., Akron, Ohio.—Mowing and reaping machine knives, sickles, and sections. T 18. 672

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432 Spink, James L., & Co., Minneapolis, Minn.—Mowers and reapers. Q 14. 672

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434 Russell, C., & Co., Canton, Ohio.—Self-raker, reaper, and mower combined, single mower. R 14. 672

435 Tschop, Albert, Harrisburg, Pa.—Self-dumping wheel hay-rake. L 15. 672

436 Hewit, John C., Pennsgrove, N. J.—Potato-digger. M 16. 672

437 Bryan & Clement, Troy, N. Y.—Reversible mower. Q 13. 672

438 Graham, Emlen, & Passmore, Philadelphia, Pa.—Lawn-mower. L 13 and 14. 672

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440 Field & Carpenter, Port Chester, N. Y.—Self-discharging hay-rake. L 15. 672

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441 Clegg, Wood, & Co., Dayton, Ohio.—Self-discharging hay-rake. L 15. 672

442 Hills' Archimedean Lawn-Mower Co., Hartford, Conn.—Lawn-mowers. N 13. 672

443 Norton, James, Hightstown, N. J.—Potato-digger. M 16. 672

444 Fisher, Henry, Canton, Ohio.—Prairie-mower, knife-grinders, and knife-sections. T 24. 672

445 Gibbs & Sterrett Manufacturing Co., Corry, Pa.—Mower and attachments, hay-conveyer. Q 17 and 18. 672

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473 Champion Machine Co., Springfield, Ill.—Reapers, mowers, rakers, and drop-pers. Q 15. 672

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476 Richardson Manufacturing Co., Worcester, Mass.—Combined mower and reaper, hay-tedder, etc. M 14. 672

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479 Lee, James, Jr., Stonersville, Pa.—Hay-tedder with rake. L 15. 672

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486 Stevens, Ansel, Gorham, Maine.—Mower. T 21. 672

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a Mowing-machine. 672
b Hay-loading machine. 673

492 Sandwich Manufacturing Co., Sandwich, Ill. S and T 20-21.
a Harvester. 672
b Self-feeding corn-sheller. 674

493 Rue, George W., Hamilton, Ohio. N 15.
a Garden-cultivator. 670
b Potato-digger. 672

494 Pritz, A., & Sons, Dayton, Ohio. S 16.
a Grain-drill. 670
b Field-roller. 671
c Self-raking reaper and mower. 672

Machines, Implements, and Processes of Manufacture.

495 Harbert & Raymond, Philadelphia, Pa. P 10.
 a Mower and hay-rakes. 672
 b Threshing-machine and clover-mill. 673
 c Portable steam-engine, portable saw-mill, and hay-cutters. 674

496 Burt, Hildreth, & Co., Harvard, Mass. N 14.
 a Horse-rakes, car-brakes, and broom-corn scrapers. 672
 b Horse-powers. 673
 c Wood-sawing and splitting machine. 674

497 Cohu, A. B., New York, N. Y. P 28.
 a Rake. 672
 b Corn-sheller, stalk-cutter, hand-saw-mill. 674
 c Churn. 675

498 Richardson, William H., Philadelphia, Pa.—Corn-husking machine, machine for cutting standing corn and husking. T 22. 673

499 Parvins, R. C., Farmington, Ill.—Steam-motor and plow. L 24. 673

500 Durston, Wood, & Co., Syracuse, N. Y.—Grain and seed separator and fanning-mill. T 27. 673

501 Albion Coffee-Huller Co., New York, N. Y.—Coffee hulling, polishing, and separating machine. O 22. 673

502 Brayley, James, Buffalo, N. Y.—Threshing-machine and double pinion horse-power. T 7 and 8. 673

503 Shreiner, J. H., Mechanicsburg, Pa. T 26.
 a Grain-drill and shovels. 671
 b Grain-fan and seed-separator. 673

504 Case, J. I., & Co., Racine, Wis.—Threshing-machine. T 9. 673

505 Allen, R. H., & Co., New York, N. Y.—Spiral corn-husker. Q 23. 673

506 Heebner & Sons, Lansdale, Pa.—Horse-powers, threshers, separators, and cleaners. O 7. 673

507 Cartrite, Barnard, Norwalk, Ohio.—Fanning-mill, box of grain and fixtures. T 28. 673

508 Kenosha Fanning-Mill Co., Kenosha, Wis.—Fanning-mill. S 28. 673

509 Miller, A. S., Republic, Ohio.—Fruit-ladder. T 23. 673

510 Fay, C. J., Camden, N. J.—Portable hay and cotton press. R 11. 673

511 Spence, L., Martin's Ferry, Ohio.—Thresher and cleaner, double cleaner, horse-power, etc. O 8. 673

512 Brown Cotton-Gin Co., New London, Conn.—Cotton-gin with feeder and condenser. P 21. 673

513 Nichols, Shepard, & Co., Battle Creek, Mich.—Grain-thresher, separator, and cleaner. R 7 and 8. 673

514 Kenyon, Silas R., Newark, N. J.—Corn-husking machine. S 26. 673

515 Hagerstown Steam Engine and Machine Co., Hagerstown, Md.—Grain threshing, separating, cleaning, and bagging machine. R 26. 673

516 Harder, Minard, Cobleskill, N. Y.—Horse-railway power, thresher and cleaner, model of railway horse-power. M and N 7. 673

517 Ertel, George, Quincy, Ill.—Portable hay and cotton press. Q 10. 673

518 Read, Calvin D., & Ellis D., Ayer, Mass.—Corn-sheller. N 22. 673

519 Sheeler, Buckwalter, & Co., Rogers' Ford, Pa.—Horse-power and threshing-machine. T 13. 673

520 Kahnweiler, David, New York, N. Y.—Cotton-seed huller. S 11. 673

521 Judkins, Mark D., Osakio, Minn.—Self-sacking grain-separator. T 8. 673

522 Shields & Bro., Philadelphia, Pa.—Corn-huskers. B 24. 673

523 Westinghouse, G., & Co., Schenectady, N. Y.—Grain-threshing machine. T 25. 673

524 Pumphrey, W. F., Fairfield, Iowa.—Seed-mill and grain-separator. S 7. 673

525 Wood, O. K., & Co., West Chazy, N. Y.—Grain and seed separator. T 28, wall. 673

526 Silver & Denning Manufacturing Co., Salem, Ohio. Q 23.
 a Endless chain, two horse-power, for general purposes. 673
 b Drag sawing-machine, feed-cutters, etc. 674

527 Gaar, Scott, & Co., Richmond, Ind. O 9.
 a Grain thresher, separator, and cleaner. 673
 b Portable farm-engine. 674

528 Manley, Almond D., Washington, Mich. R and Q 9.
 a Mounted railway tread-power and grain-thresher. 673
 b Circular wood-saw. 674

529 Blymyer Manufacturing Co., Cincinnati, Ohio. M and N 8. 673
 a Thresher and cleaner, corn-cob crushers, etc. 673
 b Cane-mills, steam-engine, sugar-evaporator, etc. 674

530 Evans & Baird, West Chester, Pa. T 7 and 8.
 a Horse-railway power and thresher. 673
 b Dairy churn and power. 675

531 Rankin Manufacturing Co., Allegheny, Pa.—Hand and power meat-choppers, sausage-stuffers, portable engine, etc. P 11 and 12. 674

532 Post, C. C., Burlington, Vt.— Implements for making maple sugar. C 24. 674

533 Slocum, W. H., & Bro., Philadelphia, Pa.—Apple-parer and corer, meat-cutter, raisin and currant cleaner. T 23. 674

534 Boyer, Wm. L., & Bro., Philadelphia, Pa.—Farm grist-mills, railway horse-power, feed-cutter, lawn-mowers, saw-table, broom-winder. R 24. 674

535 Nittinger, A., jr., & Son, Philadelphia, Pa.—Butchers' machinery, tools, and supplies. T 24. 674

536 J. C. Hoadley Co., Lawrence, Mass.—Portable steam-engines. L 7. 674

537 Randall, C. B., New York, N. Y.—Fruit and vegetable parer, slicer, and corer, combination knife, scythe and scissor-sharpener, can-opener, and cork-screw. N 22. 674

538 Ross, John, Williamsburg, N. Y.—Grain-mills, paint and drug mills, etc. R 23. 674

539 Hotsenpiller & Co., Springfield, Ohio.—Hominy-mill. M 21. 674

Machines, Implements, and Processes of Manufacture.

540 Douglas, W., & B., Middletown, Conn.—Garden engines. C 18. 674

541 Hirzel, John G., Wilmington, Del.—Meat-choppers. S 23. 674

542 Dederick, P. K., & Co., Albany, N. Y.—Hay and cotton presses, bale-tie machines, coal-tubs, dumping-car, brick and tile machine, etc. Q 10. 674

543 Bush & Smith, West New Brighton, N. Y.—Apple parer, corer, and quarterer. N 22. 674

544 Furst and Bradley Manufacturing Co., Chicago, Ill.—Plows, harrows, hay-rakes, etc. O 25. 674

545 Garst, David W., Washington, D. C.—Dried beef-chopper. S 23. 674

546 Munson Brothers, Utica, N. Y.—Wheat-flouring and corn-grinding portable mill, millstone eye, spindles, and oil-tight bush. R 24. 674

547 Conrad, E. C., Philadelphia, Pa.—Coffee-machine. M 26. 674

548 Sandusky Machine and Agricultural Works, Sandusky, Ohio.—Cylinder corn-sheller. M 16. 674

549 Lombard, Daniel, Boston, Mass.—Rice and coffee cleaning mortars, coffee-shelling machine. P 23. 674

550 Dickey, A. P., Racine, Wis.—Fanning-mills. T 27. 674

551 Swan, C. S., Tamaroa, Ill.—Cotton, hay, hemp, and straw press. R 10. 674

552 Mansfield Machine Works, Mansfield, Ohio.—Mounted portable steam-engine. P 8. 674

553 Mitchell, J. E., Philadelphia, Pa.—Farmers' grindstones, mounted, mower, knife-grinders, scythe and whetstones. Grindstone of 1776. N 20. 674

554 Hazard, Thomas, Wilmington, Ohio.—Straw-cutters. O 22. 674

555 Sedgebee & Miller, Painesville, Ohio.—Farmers' feed and corn mill. R 24. 674

556 Bruner, M., jr., Fremont, Ohio.—Hay-press. R 11 and 12. 674

557 Bailey Wringing-Machine Co., New York, N. Y.—Meat and vegetable choppers, fruit and meat-presses. S. 24. 674

558 Bushfield, W. H., Jersey City, N. J.—Dried-beef cutter. S 23. 674

559 Whitemore, D. H., Worcester, Mass.—Apple parer and slicer, meat-cutter, etc. N 22. 674

560 Foster, Calvin A., Fitchburg, Mass.—Meat-chopper and apple-parer. S 23. 674

561 Pierpont, C., & Co., New Haven, Conn.—Fodder-cutter. P 22. 674

562 Fitzhugh, J. R., Philadelphia, Pa.—Hay-elevator. T 28. 674

563 Hall, S. Z., New London, Conn.—Self-feeding cotton-gin. P 21. 674

564 Bates, Hyde, & Co., Bridgewater, Mass.—Power and hand cotton-gins. R 10. 674

565 Peekskill Manufacturing Co., New York, N. Y.—Mills for grinding sugar-cane. T 11. 674

566 Bradford, W. A., & Co., Chicago, Ill.—Cider-mill. F 13, A 13. 674

567 Dernell, H. F., & Co., Athens, N. Y.—Tools for cutting and storing ice. N 24. 674

568 Chesley, Plumer, Chelsea, Mass.—Meat-chopper. R 24. 674

569 Hanck, S., & Bro., Lebanon, Pa.—Vegetable-cutters. M 22. 674

570 Longaker, Thomas F., Philadelphia, Pa.—Stable-hook. C 20. 674

571 Schenck, Marcus P., Fulton, N. Y.—Fruit-press, apple and horseradish grater. F 12. 674

572 Peabody, George H., Brooklyn, N. Y.—Rice huller and polisher. L 16. 674

573 Boomer & Boschart Press Co., Syracuse, N. Y. S and T 12.
a Wine and cider press, lard, tallow, pork-packers', and herb presses. 673
b Apple-grater. 674

574 Ross, E. W., & Co., Fulton, N. Y. P 22.
a Feed-cutter, straw-cutter for paper-mills. 674
b Crank paddle-churn. 673

575 Treat, J. A., Cleveland, Ohio.—L 12.
a Washing boiler, and automatic blind governor. 674
b Factory churn. 675

576 Speakman, Miles, & Co., West Chester, Pa. M 13.
a Corn-sheller, insect-destroyer, pruning-shears, etc. 674
b Butter-worker and butter-printing table. 675

577 Pilling, Geo. P., Philadelphia, Pa.—Milking-tubes. M 12. 675

578 Packer, Charles W., Philadelphia, Pa.—Ice-cream freezers. O 12. 675

579 Koehler, J. G., Philadelphia, Pa.—Cedar-ware, churns, measures, etc. M 10. 675

580 Clement & Dunbar, Philadelphia, Pa.—Cedar-ware, churns, and ice-cream freezers. O 11. 675

581 Blatchley, C. G., Philadelphia, Pa.—Horizontal ice-cream freezer, cucumber-wood pumps. O 10. 675

582 Carter, Henry C., New York, N. Y.—Butter-pail. M 10. 675

583 Markham, H. C., & D. C., Lyons Falls, N. Y.—Curd-sink. M 12. 675

584 Clough, De Witt C., Auburn, N. Y.—Dash-churn, journal-box. M 10. 675

585 Moos, Joseph, Philadelphia, Pa.—Ice-cream refrigerator and ice-cream shipping-apparatus. O 12. 675

586 Chick, W. H., & Co., St. Louis, Mo.—Churns, egg-beater, and ice-cream freezers. M 11. 675

587 Keen & Hagerty, Baltimore, Md.—Ice-cream freezers, cake-mixer, and egg-beater. O 10. 675

588 Emmert, William P., Freeport, Ill.—Butter-churns, tread-power, etc. M 12. 675

589 Elliget, James, Cleveland, Ohio.—Bottles, kegs, mugs, and pitchers. M 10. 675

590 Reid, A. H., Philadelphia, Pa.—Butter-worker. L 11. 675

591 Rogers, Francis P., Philadelphia, Pa.—Milk-cans, pans, buckets, strainers, butter-kettles, etc. L 11. 675

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Every drop of the Sarsaparillian Resolvent communicates through the Blood, Sweat, Urine, and other fluids and juices of the system the vigor of life, for it repairs the wastes of the body with new and sound material. Scrofula, Consumption, Glandular Disease, Ulcers in the Throat, Mouth, Tumors, Nodes in the Glands and other parts of the system, Sore Eyes, Strumous Discharges from the Ears, and the worst forms of Skin Diseases, Eruptions, Fever Sores, Scald Head, Ring Worm, Salt Rheum, Erysipelas, Acne, Black Spots, Worms in the Flesh, Tumors, and all Weakening and Painful Discharges and Night Sweats are within the curative range of this wonder of Modern Chemistry, and a few days' use will prove to any person using it for either of these forms of disease, its potent power to cure them. If the patient, daily becoming reduced by the wastes and decomposition that are continually progressing, succeeds in arresting these wastes, and repairs the same with new material, made from healthy blood, and this the Sarsaparillian will and does secure, a cure is certain; for, when once this remedy commences its work of purification and succeeds in diminishing the loss of wastes, its repairs will be rapid, and every day the patient will feel himself growing better and stronger, the food digesting better, appetite improving, and flesh and weight increasing. Not only does the SARSAPARILLIAN RESOLVENT excel all known remedial agents in the cure of Chronic, Scrofulous, Constitutional, and Skin Diseases, but it is the only positive cure for Kidney, Bladder, and Urinary Diseases, Gravel, Diabetes, Dropsy, Stoppage of Water, Incontinence of Urine, Bright's Disease, Albuminuria, and in all cases where there are brickdust deposits, or the water is thick, cloudy, mixed with substance like the white of an egg, or threads like white silk, or there is a morbid, dark, bilious appearance, and white bonedust deposits, and when there is a pricking, burning sensation when passing water, and pain in the Small of the Back along the Loins.

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Will afford instant ease. Inflammation of the Kidneys, Inflammation of the Bladder, Inflammation of the Bowels, Congestion of the Lungs, Sore Throat, Difficult Breathing, Palpitation of the Heart, Hysterics, Croup, Diphtheria, Catarrh, Influenza, Headache, Toothache, Neuralgia, Rheumatism, Cold Chills, Ague Chills. The application of the READY RELIEF to the part or parts where the pain or difficulty exists will afford ease and comfort. Twenty drops in a half tumbler of water will, in a few moments, cure Cramps, Spasms, Sour Stomach, Heartburn, Sick Headache, Diarrhoea, Dysentery, Colic, Wind in the Bowels, and all Internal Pains. Travelers should always carry a bottle of RADWAY'S RELIEF with them. A few drops in water will prevent sickness or pains from change of water. It is better than French Brandy or Bitters as a stimulant.

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 594 Shaw, Philander, Scituate, Mass.—Butter-working machine, butter-mould, and stamp. L 7. 675
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 597 Justice, L. B., Philadelphia, Pa.—Machine for making ice cream, water ices, frozen fruits, etc. O 10. 675
 598 Porter Blanchard's Sons, Concord, N. H.—Churns. N 12. 675
 599 Thompson, S. W., jr., Detroit, Mich.—Barrel-shooks. C 20. 675
 600 Hardin, L. S., Louisville, Ky.—New method of setting milk for making butter. M. 12. 675
 601 Bartleson, John W., Churchville, Pa.—Churn, butter-worker, and cream-regulator. M 11. 675
 602 Oppenheimer, Solomon, Newark, N. J.—Safety milking-pail. L 12. 675

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603 Ashley, H. A., Springfield, Ohio.—Ditching-machine. D 19. 680
 604 Huber Manufacturing Co., Marion, Ohio.—Revolving road-scraper. L 16. 680
 605 Murdock, John, & Son, Poseyville, Ind.—Straw-stacking machine. M 15. 680
 606 Bowen, C. M., Maine Avenue, N. J.—Stump, grub, and rock extractor. D 17. 680
 607 Randolph, Theodore F., Morris-town, N. J.—Ditcher and excavator. C 18. 680
 608 Fay, C. J., Camden, N. J.—Stump and rock lifter. R 11. 680
 609 Hall, S. W., Elmira, N. Y.—Fencing-machine, machine-made worm-fence, bracket, and wire fences. O 23. 680
 610 Patterson, William, Salem, N. J.—Wrought-iron road-scraper. D 18. 680
 611 Cotton, A. C., Vineland, N. J.—Stone and stump extractor. D 17. 680
 612 Drake & Parmley, Painesville, Ohio.—Fence-post base. D 18. 680
 613 Rhodes & Waters, Elyria, Ohio.—Post-hole digger. C 19. 680
 614 Starbuck, Nathan, Wilmington, Ohio.—Mounted ditcher. C 17. 680
 615 Thompson, Woodard, Gardiner, Me.—Self-loading and unloading hod-road scraper, model of scraper, and model of railway joint. C 19. 680
 616 Leatherbarrows, John, Philadelphia, Pa.—Wrought-iron and wire fences. D 17. 680
 617 Pioneer Iron Works, Brooklyn, N. Y.—Portable iron railroad and steam road-roller. D 22. 680

618 Chicago Scraper and Ditcher Co., Chicago, Ill.—Scraper and ditcher for roadmaking, repairing, and excavating. C 20. 680
 619 Potts, William W., Swedeland, Pa.—Iron-post portable fence. D 23. 680
 620 Rumford Chemical Works, Providence, R. I.—Fertilizers, bone charcoal, etc. K 21. 681
 621 Josiah J. Allen's Sons, Philadelphia, Pa.—Guano, bone, and other fertilizers. D 28. 681
 622 Matfield Fertilizer Co., Boston, Mass.—Chemical fertilizers. D 26. 681
 623 Ward's Fertilizer Co., Boston, Mass.—Odorless fertilizers. D 28. 681
 624 United States Fertilizing and Chemical Co., Philadelphia, Pa.—Phosphatic salts, soluble bone, and fertilizers. C 28. 681
 625 Baugh & Sons, Philadelphia, Pa.—Raw bone superphosphate, ground raw bones; nitrogen. D 28. 681
 626 Matheys, Charles F., Philadelphia, Pa.—Nitro-phosphate and ground bone. D 28. 681
 627 Ames, Manning, & Ames, Hagerstown, Md.—Buffalo-bone meal for agricultural purposes. C 26. 681
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 629 Peck Brothers, Northfield, Conn.—Bone-dust. D 28. 681
 630 Franklin Glue Works, Pittsburg, Pa.—Bone-dust, etc. K 20. 681
 631 White, George E., New York, N. Y.—Superphosphates, acid bone-black, raw materials for fertilizers, and agricultural chemicals. D 28. 681
 632 Upton, George, Boston, Mass.—Superphosphates. K 20. 681
 633 Central Oil Mills, Selma, Ala.—Cotton-seed meal and fertilizers. C 25. 681
 634 Lister Brothers, Newark, N. J.—Superphosphate of lime, guano, ground bone, bone charcoal, sulphate of ammonia, agricultural salts, and other fertilizers. C 25. 681
 635 Tygert, J. E., & Co., Philadelphia, Pa.—Bone phosphate and ground bone. C 25. 681
 636 Atkinson, Empson, Woodstown, N. J.—Machine for cutting and setting up corn, road-scraper. S 28. 681
 637 Harrisburg Fertilizer Co., Harrisburg, Pa.—Flour of bone, ground bone, superphosphate, animal compost, and lubricators. B 25. 681
 638 Walton, Whann, & Co., Wilmington, Del.—Artificial fertilizers, bone-meal, and ground bone. C 25. 681
 639 Kyser, James, & Son, Cleveland, Ohio.—Whiffletree, check, and neck-yoke fastenings. M 10. 682
 640 Remington, E., & Sons, Ilion, N. Y.—Carriage gearing. P 20. 682
 641 Higginum Manufacturing Co., Higginum, Conn.—Trucks. L 25. 682
 642 Minniss, Thos. S., Meadville, Pa.—Endless-track locomotive. L 24. 682

Agricultural Engineering, Administration, Management.

643 Mount, Joseph K., & Co., Hightstown, N. J.—Model hay-conveyer. C 24. 682

644 Beecher, C. T., Waterbury, Conn.—Whiffletree gear. N 22. 682

645 Cohu, A. B., New York, N. Y.—Wagon-jack. P 28. 682

646 State of Massachusetts, Boston, Mass.—Maps and plans of farm buildings. E and F 23. 683

647 Osborne Manufacturing Co., New York, N. Y.—Bird and animal cages. D 25. 683

648 Douglas, W., & B., Middletown, Conn.—Agricultural and liquid manure-pumps. C 18. 683

649 Gay & Bryant, Dresden, Ohio.—Post-hole digger. C 19. 683

650 Shields & Bro., Philadelphia, Pa.—Tanned hog's head, hog-rings and holders. B 24. 683

651 Collings, E. Z., Waterford, N. J.—Cranberry-plants growing, representing cranberry-bog. C 20. 683

652 G. Boyd & Co., Philadelphia, Pa.—Fruit and grain-dryer. C 22. 683

653 Lockwood, James L., & Co., Stamford, Conn.—Portable fruit-drier. C 24. 683

654 Leonard, Henry, Basil, Ohio.—Revolving buckeye-ball on pedestal and college building. C 24. 683

655 Murphy, R. R., Fulton, Ill.—Honey extractor, for removing honey from the comb. C 24. 683

656 Gunther, G., New York, N. Y.—Brass, silver-plated, and japanned bird-cages. C 25. 683

357 Murphy & Broom, Philadelphia, Pa.—Bird-cages, wire garden-furniture, rustic work, etc. C 25. 683

658 Wimpfheimer, David, Philadelphia, Pa.—Automatic vinegar apparatus. D 23. 683

659 Harris, Milo, Jamestown, N. Y.—Domestic fruit-dryer, model of lumber-kiln and of coal-oil still. D 23. 683

660 Ryder, B. L., Chambersburg, Pa.—American drier or pneumatic evaporator. D 24. 683

661 D'Heureuse, R., New York, N. Y.—Apparatus for air-treatment, fermenting, germinating, preserving, and curing organic substances. D 24. 683

662 Lindermann, O., & Co., New York, N. Y.—Bird and animal cages. D 25. 683

663 Williams, John, South Haven, Mich.—Model of evaporator. D 24. 683

664 Goodrich, C. C., & F. W., Portland, Conn.—Tobacco-hook with wilting-frame and builders' horse. D 25. 683

665 Kappe, W. J. H., Quincy, Ill.—Transportation coop for live poultry. D 25. 683

666 Hendryx & Bartholomew, Ansonia, Conn.—Bird cages and trimmings. D 25. 683

667 Conrad, E. C., Philadelphia, Pa.—Bird cage. D 25. 683

668 O'Neill, Wm. C., & Co., Philadelphia, Pa.—Kegs and barrels made with single staves. F 28. 683

669 Elphee, Edmund, Montezuma, N. Y.—Grain-seed wreath-picture, representing the harvest of 1875. H 15. 683

670 Foot, Scovill D., New York, N. Y.—Portable fruit-preserved. I 23. 683

671 Vermont Farm-Machine Co., Bellows Falls, Vt.—Sugar-evaporator, and fixtures for making sugar. K 15. 683

672 Wood, Robert, & Co., Philadelphia, Pa.—Horse stalls, and fixtures for same. L 10. 683

673 Shaw, Philander, Scituate, Mass.—Beehive, with comb and hive of bees. M 12. 683

674 Dana, C. H., West Lebanon, N. H.—Automatic label-machine, labels, punches, and registers for marking live-stock. N 12. 683

675 Deardorff, Isaac N., Canal Dover, Ohio.—Smoke-house stove. N 21. 683

676 Betts, Albert C., Troy, N. Y.—Machine for making wire fencing, with samples. P 23. 683

677 U. S. Wind-Engine and Pump Co., Batavia, Ill.—Windmills for pumping water, etc. Q 23. 683

678 Michigan State Agricultural College.—Soils. H and I 20 to 21. 690

Tillage and General Management.

679 Himer, C. G., Allentown, Pa.—Artificial food for cattle. B 28. 692

680 Phillips, J. B., Philadelphia, Pa.—Devices for training and educating horses. B 26. 692

681 Miller, Frederick A., Philadelphia, Pa.—Condition powder for live-stock. B 26. 692

682 Hoepfner, Martin, Philadelphia, Pa.—Prepared food for cage-birds. B 28. 692

683 Greenough, J. J., Syracuse, N. Y.—Machine for cleaning animals. B 22. 692

684 Long, J. C., jr., Philadelphia, Pa.—Prepared food for mocking-birds; variety of grains and seeds for feeding birds, pigeons, and poultry; bird invigorator for restoring birds to health and song; stone drinking fountains, etc. B 26. 692

685 Kirk, Charles H., & Co., Philadelphia, Pa.—Prepared food for horses and cattle. B 26. 693

686 Ausable Horse Nail Co., New York, N. Y.—Horseshoe nails. B 24. 693

687 Caryl, A. H., & Son, Forge Village, Mass.—Horseshoe nails. B 24. 693

688 Burden, H., & Sons, Troy, N. Y.—Working model of horseshoe machine, samples of horse-shoes, boiler rivets, and merchant iron. B 24. 693

689 Tallman, G. W., New York, N. Y.—Elastic hose stocking. B 23. 693

690 American Shearer Manufacturing Co., Nashua, N. H.—Shearing and clipping machines. B 22. 693

691 Putnam, S. S., & Co., Neponset, Mass.—Horse-shoe nails. B 24. 693

692 Empire State Horse Nail Co., Penn Yan, N. Y.—Forged horseshoe nails, plain, polished, and blued. B 24. 693

Veterinary Appliances.

693 Smith, Aaron W., Manchester, N. H.—Jointed horseshoes. B 24. 693
 694 Atkins, J. L., Nashville, Tenn.—Horseshoes and plates. B 24. 693

695 Rhode Island Horseshoe Co., Providence, R. I.—Machine-hammered horseshoes. B 23. 693
 696 Ward, Henry A., Rochester, N. Y.—Stuffed Bactrian camel and Shetland pony. K 26 and 27. 693

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Agricultural Products.

1 Yuille, Andrew, Glasgow.—Essences of coffee and chocolate, vinegar, coffee and milk, condensed milk. 623
 2 Turner, Reuben, Panther, Peterborough.—Food for infants, cocoas, chocolates, etc. 623

Land Animals.

3 Walsingham, Lord, Thetford, Norfolk.—Live-stock, Southdown rams, and ewes. 632

Water Animals, Fish Culture, and Apparatus.

4 Hoare, John, London.—Specimens of emasculated salmon. 641

Animal and Vegetable Products.

5 Chapman, Edwin, & Co., London.—Koumiss, a beverage prepared from cow's milk, koumiss extract, for converting milk into koumiss. 651
 6 Evans & Stafford, Leicester.—Stilton cheese. 651
 7 Hooker, J., London.—A large tin of milk which has been exposed to the air for five years, also desiccated milk, condensed milk, and other preparations made with milk. 651
 8 Hooper, Cleeve, jr., Bermondsey.—Glue, glue pieces, sheep-pelts, sheep-fleshings, buffalo cuttings, pickers, tanning materials; oak, cork tree, larch, and mimosa bark; hemlock and chestnut extract; divi-divi, sumac, valonia, cutch, gambier, myrabolanes, sod oil, etc. Leather, glue, and tanning materials. 652
 9 Green, John, London.—Gelatine for cigar-boxes, printers, engravers, and artificial-flower makers. 652
 10 Bennett, Thomas, & Son, London.—Goldbeaters' skin. 652
 11 Puckridge, Fred, & Nephew, London.—Goldbeaters' moulds, goldbeaters' skin for medical purposes. 652
 12 Wilson, Walker, & Co., Sheepscar Works, Leeds.—Colored fancy leather and glue. 652

13 Pullman, Robert & John, London.—Manufactured leather, bleaching composition, leather finishing, stoning, and kniving machines. 652
 14 Lovey, Edward, Ponsnooth, Cornwall.—Beehives, with samples of honey and wax. 654
 15 Schneider, Edward Albert, London.—Liquid essence of beef. 656
 16 Nicoll, Donald, London.—Starch and contents, rendering fabrics and timber uninflammable; tea and coffee combined with milk and sugar, contained in soluble capsules for distribution in single cups; aerated beverages in vessels to allow rapid distribution in single draughts; carbon combined with caoutchouc, for the preservation of wood and iron; preserved food. 656
 17 Geyelin & Co., London.—Concentrated animal and vegetable food. 656
 18 Goodall, Backhouse, & Co., Leeds.—Yorkshire relish sauce and orange quinine wine. 656
 19 Keen, Robinson, Bellville, & Co., London.—Preparations from mustard, barley, oats, etc. 656
 20 Pratt, James, London.—Sauce. 656
 21 Smith, T. & H., & Co., Edinburgh.—Essences of coffee and coffee with chicory; flavoring essences, aerated waters, and chemical products. 656
 22 Jones, Palmer, & Co., London.—Condiments, sauces; baking, custard, and curry powders. 656
 23 Menier, Emile, London.—Chocolates and cocoas. 656
 24 Grant, Thomas, The Distillery, Maidstone.—Cherry brandy. 656
 25 Horn, Thomas Story, Newcastle-on-Tyne.—Preserved fresh meat; improved blocks for masonry. 656
 26 Ledger, H., & Co., London.—Pure extract of meat. 656
 27 Ball, James, London.—Sauce. 656
 28 Lea & Perrins, Worcester.—Sauce. 656
 29 Corry, William, & Co., Belfast, Ireland.—Aerated waters from Cromac Springs, Belfast; non-metallic valves, plungers, connections, taps, and cylinder-lining. 656

Animal and Vegetable Products, Tools, Machines.

30 Allen, Frederick, & Sons, London.—Confectionery and medicated confectionery. 656

31 Inman Brothers, Huddersfield, Yorkshire.—Aërated waters. 656

32 Bewley & Draper, Dublin.—Aerated waters. 656

33 Pachitt, Edwin Cheshire, Nottingham.—Pickles, sauces; anchovy and bloater paste. 656

34 Cantrell & Cochrane, Dublin.—Ginger ale, aërated beverages, etc. 656

35 Fry, Joseph Storrs, & Sons, Bristol.—Chocolate and cocoa, and specimens illustrative of the process of manufacture. 656

36 Codd, Hiram, London.—Mineral waters. 656

37 Crosse & Blackwell, London.—Pickles, sauces, vinegars, jams, jellies, marmalades; potted and preserved meats; preserved fruits, soups, and fish; oils for salads, etc.; preserved provisions, sausages, vegetables, etc. 656

38 Powell, Thomas, London.—Self-raising flour; baking-powder. 657

39 Hunter, John, & Son, Woodhall Mills, Juniper Green, near Edinburgh.—Oatmeal and pot barley. 657

40 Plunkett, John, & Co., Portland Works, Dublin.—Malt for brewing and distilling, and roasted malt for coloring and flavoring porter and ale. 657

41 McCann, John, Beaumont Mills, Drogheda.—Oatmeal and groats. 657

42 Stevens, Thomas, Wrexham, North Wales.—Ornamental confectionery, birthday and christening cake, meringues, medallions, ornamental sugar-stand; rich cake. 657

43 Johnston Still Co. (Limited), Leixlip, near Dublin.—Irish and Scotch whiskies, model and drawings of the Johnston still. 660

44 Burke, Edward & John, Dublin.—English ales, Dublin stout, Irish and Scotch whiskies. 660

45 Wright, Herbert, & Co., Diamond Brewery, Dover.—Pale ale and stout. 660

46 Ind, Coope, & Co., Burton-on-Trent, Staffordshire.—Ale. 660

47 Bindley & Co., Burton-on-Trent.—Ales. 660

48 Mott & Co., Leicester.—Cowslip wine. 660

49 Muir, Jas., & Son, Calton Hill Brewery, Edinburgh.—Ales. 660

50 Johnson & Co., Canterbury.—Pale ale. 660

51 Pendock Brothers, Bristol.—Cider and perry. 660

52 Richardson, Earp, & Slater.—Trent and Northgate Brewery, Newark-upon-Trent.—Ale. 660

53 Maw, Thomas, Leeds.—Pickles, sauces, lozenges, syrups, vinegars, and baking powder. 660

54 Gissing, Anthony S., & Sons, Eye, Suffolk.—Fancy biscuits and baking powder. 661

Textile Substances of Vegetable or Animal Origin.

55 Dickson, James Hill, & Nephews, Rhea Fibre Works, Godalming, Surrey.—Rhea in every stage; yarn and woven cloth made from the Indian rhea and other fibres; work on flax and hemp. 665

56 The Mill Hill Wool and Rag Extracting Co. (limited), Mill Hill Works, Huddersfield.—Wools made from old rags, etc. 667

57 Bowes, John L., & Bro., Liverpool.—Raw materials used in the woollen and worsted trade. 667

58 Smith, David, & Co. (limited), Kensington Works, Halifax, Yorkshire.—Cleancd wools and wools extracted from waste products. 667

Machines, Implements, and Processes of Manufacture.

59 Aveling & Porter, Rochester, Kent.—Agricultural locomotive engine, locomotive crane engine, steam road roller, wagons for road locomotive engines. 670

60 Wills, Arthur Winkler, Park Mills, Birmingham.—Edge tools. 670

61 Munroe, William, Inverness.—Models and drawings of farm steadings and cottages, ancient Highland cart, and Shetland plow. 670

62 Fison, J. P., Teversham Works, Cambridge.—Agricultural machinery: vertical steam engine and boiler, chaff cutter, centrifugal pump, steam threshing-machine and chain harrow, models of portable steam engine, movable hut, centrifugal pump, and furrow plows. 670

63 Fussell, James, Sons, & Co., Mell's Iron Works, near Frome, Somersetshire.—Edge tools used in agriculture. 670

64 Wilkinson, William, & Sons, Spring Works, Sheffield.—Sheep and garden shears. 672

65 Corcoran, Witt, & Co., London.—Burr and peak stones, millstones, mill bills and handles, woven iron wire sieves, etc.; stones for shelling and whitening rice, and corn-weighing apparatus. 673

66 Lloyd, T., & Sons, London.—Flour mills, dressing machines, grinding mill, and coffee mills. 673

67 Sainty, John, & Barnard, Alpha Machine Works, Wisbeach, Cambridgeshire.—Apparatus for preventing loss of life by water; self-feeding, sucking, drying, and dressing machine; machine for separating grain from seeds. 673

Agricultural Engineering and Administration.

68 Clark & Dunham, London.—Millstones, chronometers for measuring and weighing grain, and lubricators. 674

69 Smith, William, & Sons, Barnard Castle, County Durham.—Street sweeper and road scraper. 682

70 Neighbour, G., & Sons, London.—Beehives and bee furniture. 683

71 Horn, Thomas Story, Newcastle-on-Tyne.—Improved blocks for masonry. 103

72 Ledger, H., & Co., London, Disinfecting fluid. 200

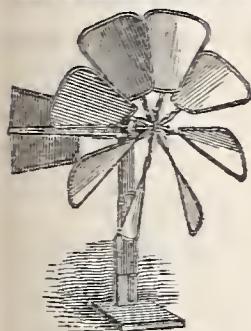
73 Goodall, Backhouse, & Co., Leeds.—Baking powder. 200

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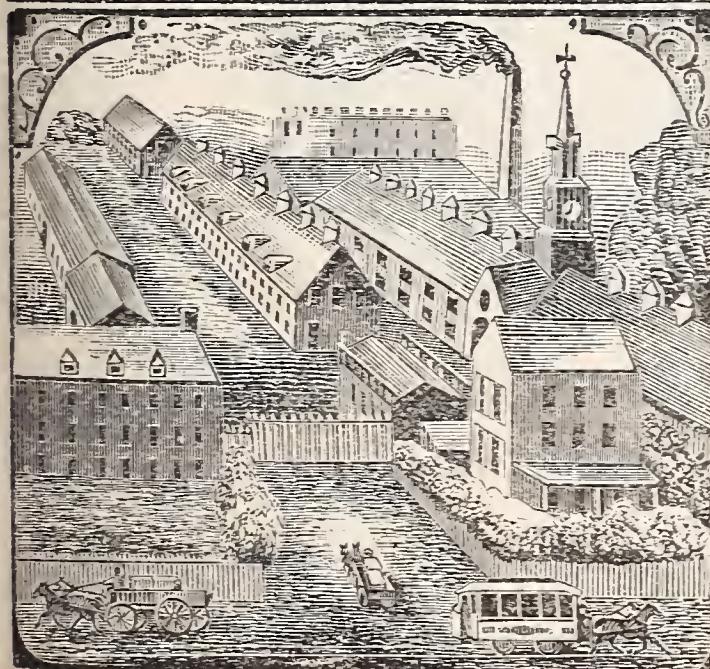
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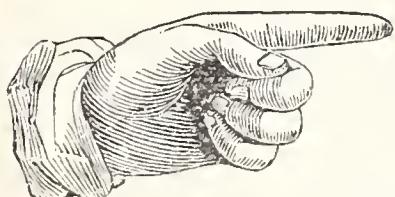
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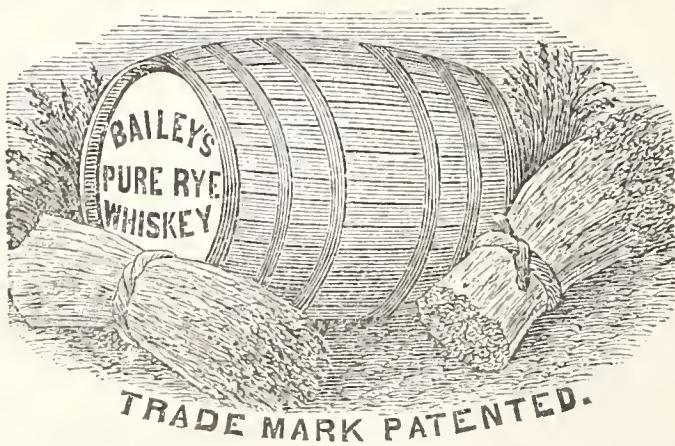
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CANADA.

Forest and Agricultural Products, Animals.

Arboriculture and Forest Products.

- 1 Cusack, H. P., Newbury, Ont.—Black ash hoops. 600
- 2 Pike & Richardson, Chatham, Ont.—Barrel hoops. 600
- 3 Brennen, M., Hamilton, Ont.—Sash blinds, doors, mouldings. 600
- 4 Allen, D. R., Chatham, Ont.—Specimens of wood. 600
- 5 Coleman & Goninlock, Seaforth, Ont.—Coiled barrel hoops. 600
- 6 Edson, T., Fitch, & Co., New Liverpool, Ont.—Match splints, wood boxes. 600
- 7 St. Martin Bobbin Spool Co., St. John, N. B.—Bobbin spools, turning work. 600
- 8 Clarke, John, St. John, N. B.—Kegs and barrels. 600
- 9 Munroe, D. R., St. John, N. B.—Native woods. 600
- 10 Murphy, T. G., Petitcodiac, N. B.—Native woods, cabinet work. 600
- 11 G. & G., Hampton, N. B.—Turned work, native woods. 600
- 12 Lovejoy, H. L., St. Stephens, N. B.—Samples of fret and jig sawing. 600
- 13 George, Daniel F., Fredericton, N. B.—Shingles and clapboards. 600
- 14 Wells, A. G., & Co., St. John, N. B.—Hacmatack ship knees. 600
- 15 Askew, A., Victoria, Br. Col.—Flag pole. 600
- 16 Campbell & Heatty, Victoria, Br. Col.—Spars. 600
- 17 Moody & Nelson, Victoria, Br. Col.—Collection of native woods. 600
- 18 Morley, Victoria, Br. Col.—Cedar shingles. 600
- 19 Dolby, Victoria, Br. Col.—Tan bark, hazel hoops, and hemlock bark for tanning. 602
- 20 Hayward & Jenkinson, Victoria, Br. Col.—Mouldings in native woods, resin, *abies douglasii*, and Canada balsam. 603

Pomology.

- 21 Fisher, W., Victoria, Br. Col.—Cranberries. 610
- 22 Advisory Board, B. C., Victoria, Br. Col.—Models of apples and pears. 610

Agricultural Products.

- 23 Painchaud, C. F., Varennes, Q.—Long marsh grass, paper material. 620
- 24 Tolmie, Dr., Victoria, Br. Col.—Cereals on stalk. 620

- 25 Smith, W., Victoria, Br. Col.—Cereals on stalk. 620
- 26 Carter, T. W., Victoria, Br. Col.—Cereals on stalk. 620
- 27 Brown, R., Victoria, Br. Col.—Cereals. 620
- 28 Reid, William, Victoria, Br. Col.—Cereals. 620
- 29 Kerr, James, J. Kerr's Ranch, Br. Col.—Timothy grass. 620
- 30 Boyd, John, Cold Spring Ranch, Br. Col.—Timothy grass. 620
- 31 Fisher, Victoria, Br. Col.—Wheat, oats, etc. 620
- 32 Robertson, Wm., Quesnelle, Br. Col.—Oats and wheat in straw. 620
- 33 Rickie, L. W., Chilcotin, Br. Col.—Spring wheat. 620
- 34 Bunster, A., Victoria, Br. Col.—Barley from Metchosin. 620
- 35 Girdlestone, G. H., Windsor, Ont.—Tobacco, cigars, etc. 623
- 36 Scaliss, Job, Toronto, Ont.—Manufactured tobacco. 623
- 37 Lymans, Clare, & Co., Montreal, Q.—Spices. 623
- 38 Davis, S., & Co., Montreal, Q.—Cigars. 623
- 39 Lordly, Alf., St. John, N. B.—Spices, coffee. 623
- 40 Cloake, J., Victoria, Br. Col.—Hops. 623
- 41 Wain, H., Victoria, Br. Col.—Hops. 623
- 42 Moses, D. T., Victoria, Br. Col.—Hops. 623
- 43 Fuller, L. S., Stratford, Ont.—Linseed. 624
- 44 Weld, W., London, Ont.—Seeds. 624
- 45 Council of Agriculture, Quebec, Q.—Grains. 624
- 46 Bertrand, A., St. John, Q.—Pressed hay. 624

Land Animals.

- 47 Mummer, S., & Son, London, Ont.
a Canadian birds. 635
b Wild animals. 637
- 48 Sands, Joseph, Toronto, Ont.—Birds. 635
- 49 Herring, S., Toronto, Ont.—Birds. 635
- 50 Morrell, G. F., Hamilton, Ont.—Stuffed birds. 635
- 51 Egan, T., Halifax, N. S.
a Canadian birds. 635
b Bear and caribou heads. 637

Animal and Vegetable Products.

52	Attwood, Ab., London, Ont.—Honey extractor and beehive.	638
53	Entomological Society, London, Ont.—Canadian insects.	638
Water Animals, Fish-Culture, and Apparatus.		
54	Mummer, S., & Son, London, Ont.—Fishes.	641
55	Hill, P. C., Halifax, N. S.—Fishes.	641
56	Robitaille, Th., Quebec, Q. a Dried cod. b Cod and cod-liver oil.	642 646
57	Bain, J. D., Ristigouche, N. B. a Preserved salmon. b Preserved lobster.	642 643
58	O'Leary, Henry, Richibucto, N. B. a Spiced salmon. b Canned lobster.	642 643
59	Noble, R. B., Richibucto, N. B. a Canned mackerel. b Canned lobsters.	642 643
60	Ewing & Wise, Victoria, Br. Col. a Holicans, salmon-trout, canned and salt salmon, isinglass. b Canned oysters, oyster and clam shells.	642 643
61	Fisher, W., Victoria, Br. Col.—Smoked salmon.	642
62	Holbrook & Cunningham, Victoria, Br. Col.—Canned salmon.	642
63	Deas, J. S., Victoria, Br. Col.—Canned salmon.	642
64	Tetu, Dr., Rivière Ouelle, Q.—Delphinoleine.	646
65	Langley, Victoria, Br. Col.—Dogfish and holican oils.	646
66	Muir, M., Looke, Br. Col.—Dogfish oil.	646
67	Skinner, G. M., Gananoque, Ont.—Trolling-spoon bits, poles, holders.	647
68	Scribner, D., St. John, N. B.—Salmon and trout rods.	647
69	Baillie, Charles, St. John, N. B.—Salmon and trout rods, flies.	647
70	Pitts, D. H., Halifax, N. S.—Fishing-reel.	647

Animal and Vegetable Products.

71	Rhodes, Col., Quebec, Q.—Butter, cream cheese.	651
72	Kipp, J., Chillewhack, Br. Col.—Butter.	651
73	Caswell, E., Ingersol, Ont.—Cheese.	651
74	Wells, J., & S., Chillewhack, Br. Col.—Cheese.	651
75	McLeod, R. E., & Co., Sussex, N. B.—Cheeses.	651
76	Advisory Board, Br. Col., Victoria, Br. Col.—Cheese.	651
77	Wagner, J., & Co., Galt, Ont.—Sheepskins.	652
78	Creig, W., & Son, Port Hope, Ont.—Sheepskins.	652
79	Gunn, A., & Co., Kingston, Ont.—Spanish sole leather.	652
80	Ford & Sons, Kingston, Ont.—Sole and upper leather.	652

81	Hivac, Parsons, & Co., Niagara, Ont.—Oak-tanned belting leather.	652
82	Hamilton, C., Kingston, Ont.—Spanish sole.	652
83	Lang, Reinhold, Berlin, Ont.—Calf-skins.	652
84	Kelly, Robert, Toronto, Ont.—Leather.	652
85	Sischer & Son, Berlin, Ont.—Glue.	652
86	Warner, Geo. W., Toronto, Ont.—Dyed furs.	652
87	Wickell, S. R., Brockville, Ont.—Pebbled-grain leather.	652
88	Mathieu, Léandre, St. Catharines, Ont.—Leathers.	652
89	McCordick, W. H., St. Catharines, Ont.—Saco leather, cut laces.	652
90	Moseley & Ricker, Montreal, Q.—Leathers.	652
91	Laframboise & Wiallard, Montreal, Q.—Glue.	652
92	Heath & Northey, Montreal, Q.—Sole leather.	652
93	Galibert, C., & Son, Montreal, Q.—"Wax-calf" leathers.	652
94	Dominion Leather-Board Company, Chambly, Q.—Leather-board.	652
95	Rochette, Gaspard, Quebec, Q.—Leathers.	652
96	Richard & Plamondon, Quebec, Q.—Leathers.	652
97	Ramsay, A., & Son, Montreal, Q.—Glues.	652
98	Mooney, J. H., Montreal, Q.—Fancy-colored sheepskins.	652
99	Roach & Coates, Penobsquis, N. B.—Glue.	652
100	Summar, S. W., & Co., Fredericton, N. B.—Patent leather.	652
101	McCausland, Upham, & Co., Fredericton, N. B.—Patent and enameled leather.	652
102	Travis, J., St. John, N. B.—Sole leather.	652
103	Belmont Tanning Co., Victoria, Br. Col.—Skins and leathers.	652
104	Boscovitz, Victoria, Br. Col.—Dressed bear and elk skins, leather.	652
105	Gray & Co., Toronto, Ont.—Canned fruits, vegetables, fish.	656
106	Provision Trade of Toronto, Ont.—Canned meats, dried fruits.	656
107	Canadian Meat Co., Sherbrooke, Q.—Canned meats, jellies, jams, etc.	656
108	N. A. Packing Co., Montreal, Q.—Canned meats, jellies, jams, etc.	656
109	Burgess, W., Mimico, Ont.—Horse radish sauce.	656
110	Casswell, E., Ingersoll, Ont.—Preserved meats.	656
111	Tache, F., Kamouraska, Q.—Preserved meats.	656
112	Bain, J. D., Ristigouche, N. B.—Preserved meats.	656
113	Graham, John, Sussex, N. B.—Cured and spiced bacon.	656
114	Guthrie & Hevener, St. John, N. B.—Jams, etc.	656

Vegetable Products, Textiles, Implements.

115 Belcher, Jas. W., Halifax, N. S.— Preserved fruits in sugar.	656	149 Christin, J., Montreal, Q.—Cider, syrups, and soda-water.	659
116 McDougall, John, Bowmanville, Ont.—Flour.	657	150 Winning, Hill, & Ware, Montreal, Q.—Fruit syrups, cordials, etc.	659
117 McKay, Thos., & Co., Ottawa, Ont. —Oatmeal.	657	151 Advisory Board, Quebec, Q.— Maple sugar.	659
118 Corn Exchange Association, To- ronto, Ont.—Grain, flour, meal.	657	152 Simard, R., L'Assomption, Q.— Maple sugar.	659
119 Wilson, James, Fergus, Ont.— Oatmeal.	657	153 Fidèle Perrault, F., L'Assomption, Q.—Maple sugar and syrup.	659
120 Martin & Sons, Mount Forest, Ont. —Oatmeal.	657	154 Woodburn, J. R., & Co., St. John, N. B.—Confectionery.	659
121 Hogg & Ford, Galt, Ont.—Oat- meal.	657	155 O'Keefe & Co., Toronto, Ont.— Ale.	660
122 Willet, R., & Co., Chambly, Q.— Oatmeal.	657	156 Carling & Co., London, Ont.—Ale, porter, malt.	660
123 Scott & Co., Highgate, Ont.—Oat- meal.	657	157 Adwell, R., London, Ont.—Ale, porter.	660
124 Muirhead & Gray, London, Ont.— Oatmeal, pearl barley, split peas.	657	158 Labatt, John, London, Ont.—Ale, porter.	660
125 Aspden & Pritchard, London, Ont. —Oatmeal, split peas.	657	159 Osborne, William, Hamilton, Ont. —Malt.	660
126 Hilliard, William, Goderich, Ont.— White and spring wheat flour.	657	160 Slater & Scringer, Galt, Ont.— Malt.	660
127 Charlesworth, M. C., & Son, Ed- mondville, Ont.—Flour.	657	161 Howard & Northwood, Chatham, Ont.—Malt.	660
128 Watts, N., & Co., Brantford, Ont. —Flour.	657	162 Bunster, A., Victoria, Br. Col.— Malt from Metchosin barley.	660
129 Jolton, J. G., Ganafrased, Ont.— Flour.	657	163 Smith, R., & Co., Fairfield Plain, Ont.—Native wines.	660
130 Wadsworth, J. P., Meadford, Ont. —Flour.	657	164 Davies, Thomas, & Bro., Toronto, Ont.—Ale and porter.	660
131 King, J. G., Porthope, Ont.— Flour.	657	165 Canada Wine-growers' Associa- tion, Toronto, Ont.—Canadian wines.	660
132 Hunt, C. B., & Co., London, Ont.— Flour.	657	166 Beaver, Henry, Hamilton, Ont.— Red and white wines.	660
133 Smyth & Smyth, Merritton, Ont.— Flour.	657	167 Taylor & Bate, St. Catharines, Ont. —Ale, porter, malt.	660
134 Parkyn, James, Montreal, Q.— Flours.	657	168 Waterhouse, Joseph, Chatham, Ont.—Ale, porter.	660
135 Brodie & Harvey, Montreal, Q.— Flours.	657	169 McLeod, McNaughton, & Co., Montreal, Q.—Ale, porter.	660
136 Millers' Association of Canada, Toronto, Ont.—Flour and meal.	657	170 Lefebvre, M., Montreal, Q.—Vin- egar.	660
137 Weatherstone, W., Toronto, Ont. —Flour and meal.	657	171 Simard, R., L'Assomption, Q.— Wine, maple vinegar.	660
138 Howland, W. P., & Son, Toronto, Ont.—Flour and grains.	657	172 Fidèle Perrault, F., L'Assomption, Q.—Wine, maple vinegar.	660
139 Ogilvie & Hutchinson, Goderich, Ont.—Spring wheat flour.	657	173 Boswell, Joseph, Quebec, Q.— Beer.	660
140 McKay, John, Dundas, Ont.—Pot and pearl barley.	657	174 Laforce, Quebec, Q.—Bitters.	660
141 Allan, J. U., Picton, Ont.—Garden peas.	657	175 Troop, O. V., & Co., St. John, N. B. —Vinegar.	660
142 Mewhart, Joseph, Montreal, Q.— Self-raising flour.	657	176 McCormick, T., London, Ont.— Confectionery and biscuits.	661
143 Olszewski, S., Montreal, Q.—Bar- ley, corn, rice, bean-meal.	657	177 Christie, Brown, & Co., Toronto, Ont.—Biscuits.	661
144 Catelli Bros, Montreal, Q.—Potato starch, macaroni, vermicelli, etc.	658	178 Girwin, James, St. Catharines, Ont. —Biscuits.	661
145 Spinelli, R., Montreal, Q.—Mac- aroni, vermicelli, etc.	658	179 Hulman, J. C., & Co., Hamilton, Ont.—Confectionery and biscuits.	661
146 Poulin, F. R. S., La Patrie, Q.— Potato starch.	658	180 Hessian, William, Toronto, Ont.— Confectionery and biscuits.	661
147 Edwardsburg Starch Co., Ed- wardsburg, Q.—Laundry and corn starch.	658	181 Alexander & Son, Montreal, Q.— Confectionery.	661
148 Wilson, Charles, Toronto, Ont.— Lemonade, ginger ale, etc.	659	182 Hossack, Woods, & Co., Quebec, Q.—Pilot and cabin biscuits.	661
		183 Viau & Bros., Montreal, Q.—Con- fectionery and biscuits.	661

Machines and Implements.

184 Rankin, Th., & Sons, St. John, N. B.—Biscuits, crackers, etc. 661

185 Scriver, J. J., Halifax, N. S.—Pilot and navy biscuit. 661

186 Massie & Campbell, Guelph, Ont.—Confectionery and biscuits. 661

187 Turcotte, Quebec, Q.—Linseed oil. 662

Textile Substances of Vegetable or Animal Origin.

188 Nichol, R., & Ruth, Belmont, Ont.—Manufactured Scotch flax. 666

189 Fuller, S. S., Stratford, Ont.—Dressed flax. 666

190 Harrison, D. H., St. Marys, Ont.—Dressed flax. 666

191 Davis, J. H., & Co., Hamilton, Ont.—Samples of Canadian wools. 667

192 Taylor, Th. H., Chatham, Ont.—Fleece of combing-wool. 667

193 Harris, John, & Co., Hamilton, Ont.—Canadian wools. 667

194 Long & Bisby, Hamilton, Ont.—Canadian wools. 667

195 Stahlschmidt, Victoria, Br. Col.—Island and mainland wool. 667

196 Pecover, Joseph, Hamilton, Ont.—Hair, upholstery, etc. 669

Machines, Implements, and Processes of Manufacture.

197 Duperow, Ch., Stratford, Ont.—Harrow. 670

198 Powell, W., Belleville, Ont.—Harrow and cultivator. 670

199 Ross, George, Chatham, Ont.—Plows. 670

200 Spardle, Th., Stratford, Ont.—Plows. 670

201 Oshawa Manufacturing Co., Oshawa, Ont.—Scythes, forks, hoes, rakes, etc. 670

202 Merrill, Abel, Chatham, Ont.—Cultivator or gang-plow. 670

203 Walton, B. W., Fergus Well, Ont.—Gang-plow, double furrow, etc. 670

204 Stratchan, D. K., Goderich, Ont.—Cultivator. 670

205 Stratchan, A. S., Goderich, Ont.—Iron harrows. 670

206 McDonald, A. S., Osgood, Ont.—Cultivator. 670

207 Gillies, George, Gananoque, Ont.—Harrow, cultivator, horse-hoe. 670

208 Munro & Hagens, Seaforth, Ont.—Iron plows. 670

209 Mathieson, S., Tavistock, Ont.—Iron plows. 670

210 Wilson, W., Strathroy, Ont.—Combined harrow and hay-rake. 670

211 Wilkinson, G., Aurora, Ont.—Double furrow, iron, and gang-plow. 670

212 Lowerie, J., Sarnia, Ont.—Plows. 670

213 McGarvin, M., Chatham, Ont.—Rotary harrows. 670

214 Morely, G., Thorould, Ont.—Plows. 670

215 Watson, John, Ayer, Ont.—Gang, swing, and subsoil plows. 670

216 Elliot, John, London, Ont.—Plow. 670

217 Gibbs & Coursolles, Ottawa, Ont.—Revolving drag-harrow. 670

218 Jones, D. F., & Co., Gananoque, Ont.—Shovels, hoes, forks. 670

219 Snyder, E., Acton, Ont.—Single frame iron plow. 670

220 Richardson, Th., Fergus, Ont.—Gang-plow. 670

221 Sparling, W., Parkhill, Ont.—Champion sod-plow. 670

222 Colton, N. P., Gananoque, Ont.—Iron harrow, cultivators. 670

223 Bell, C. R., Parkhill, Ont.—Steel garden-plow. 670

224 Stephens, P. E., Owen Sound, Ont.—Ditching-spade. 670

225 Carrier, L'Ainé, & Co., Quebec, Q.—Agricultural implements. 670

226 Baillargeon, E., New Liverpool, Q.—Spades and shovels. 670

227 Jeffrey, James, Montreal, Q.—Plow, double mould-board, cultivator, etc. 670

228 Smith, Th., Aylmer, Q.—Cultivator. 670

229 Gibbs & Coursolle, Ottawa, Ont.—Snow-plow. 670

230 Sands, Joseph, Forest, Ont.—Bag-filling machine. 670

231 Harris, J., & Co., St. John, N. B.—
a Plow. 670

b Mower, horse-rake, potato-digger. 672

c Thrasher and horse-power. 673

d Hay-cutter. 674

232 Willet, D., St. John, N. B.—Cultivator, seed harrow. 670

233 Rumnel, C. B., Moncton, N. B.—Plows. 670

234 Holland, J., Belleville, Ont.—Land roller and sower combined. 671

235 Ayr, John Watson, Ayr, Ont.—Grain-drill, seed-sower. 671

236 Vessot, J. & S., Joliette, Q.—Sower, harrow, and roller combined. 671

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243 Martin, Stephen, Kars, Ont.—Potato-digger. 672

244 Eliot, Th., Peterboro, Ont.—Combined hay-rake and loader. 672

245 Bartlet, Ed., Renfrew, Ont.—Potato-digger. 672

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- 6 Parfonry & Lemaire, Paris.—Marble for furniture. 102
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- 8 Thorrand & Co., Grenoble.—Cement. 103
- 9 Soullier & Brunot, Teil, Ardèche.—Hydraulic lime. 103
- 10 Lime, Cement, and Plaster Manufacturing Co., Paris.—Limes, cements, plasters, and bricks. 103
- 11 Hydraulic Lime Stock Co., Monté-limarc, Drôme.—Lime, cement, and artificial paving blocks. 103
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- 14 Pavin de la Farge, L. & E., Viviers, Ardèche.—Hydraulic lime and Portland cement. 103
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- 17 Mailfert & Mathelin, Chatillon-sur-Seine, Côte d'Or.—Moulding sand for foundries. 104
- 18 Deplanque, jr., Maisons, Alfort, Seine.—Emery in grains and powder. 106
- 19 Roger, Son, & Co., La Ferté-sous-Jouarre, Seine and Marne.—Millstones. 106
- 20 Flauqueux, A., La Ferté-sous-Jouarre, Seine and Marne.—Millstones. 106
- 21 Lithographic Stone Quarry Co., Paris.—Lithographic stone. 106
- 22 Clément, Clément, & Co., Paris.—Diamonds. 106
- 23 Durrschmidt, Lyons.—Emery in grains and powdered. 106
- 24 Bertrand, Jules, & Co., La Ferté-sous-Jouarre, Seine and Marne.—Millstones. 106

- 25 Bailly & Co., La Ferté-sous-Jouarre, Seine and Marne.—Millstones. 106
- 26 Weyl & Co., Paris.—Mineral waters from Aulus Springs. 107

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- 29 Durenne, A., Paris.—Monumental fountain. 111
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- 31 La Voulte & Besseges, Lyons.—Iron and steel castings. 111
- 32 Marseilles Gas Co., Marseilles.—Spiegeleisen iron. 111
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 Blot, Eugène.
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	<i>b</i> Wines.	660			
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157 Fournier, Jules, Epernay, Marne.—Champagne wines.	660
158 Fournier, A., Chateau de Figeac, Gironde.—Wines.	660
159 Fouchez, L., & Co., Cognac.—Brandies and liquors.	660
160 Dessandier, F., & Co., Jarnac-Cognac.—Brandies.	660
161 Detrie-Grandjean, Saint Loup-sur-Semouse, Haute Saone.—Kirschwasser.	660
162 Dutely, E., Paris.—Wines.	660
163 Dolin, Mrs., Chambéry, Haute Savoy.—Vermouth.	660
164 Druelle, Reims.—Champagne wines.	660
165 Dubois, E., & Co., Saint Jean d'Angéley, near Cognac.—Brandies.	660
166 Duquénel, Paris.—Wines and brandies.	660
167 Duret, Jules, & Co., Cognac.—Brandies.	660
168 Durozier, M., & Co., Cognac.—Liquors.	660
169 Laplante, Edard de, Guyotville, near Algeria.—Wines.	660
170 Faure, J., & Co., Cognac.—Brandies.	660
171 Faurie, J., sr., Narbonne.—Wines.	660
172 Ferret, Bros., & Co., Macon.—Wines.	660
173 Fil, Francois, Narbonne, Ande.—Wines.	660
174 Fisse, Thirion, & Co., Reims.—Champagne wines.	660
175 Seignouret Bros.—Bordeaux.	
a Wines and brandies.	660
b Olive oil.	662
176 Mestrezat & Co., Bordeaux.	
a Wines and brandies.	660
b Olive oil.	662
177 Reinhhardt, L., & Co., Paris.—Bon-bons.	
661	
178 Biardot, Alphonse, Paris.—Confectionery.	
661	
179 Chenu, P., Paris.—Confectionery.	
661	
180 Combet, Joseph, Paris.—Confectionery.	
661	
181 Ménier, Paris.—Chocolates.	
661	
182 Nègre, Joseph, Grasse, Alpes Maritimes.—Confectionery.	
661	
183 Lombart, Paris.—Chocolates.	
661	
184 Marge, jr., Lyons.—Patés.	
661	
185 Mottet, J., & Co., Marseilles.—Olive oil.	
662	
186 Plagniol, James de, Marseilles.—Olive oil.	
662	
 Textile Substances of Vegetable or Animal Origin.	
187 Chabert, J., & Co., Chomérac, Ardèche.—Raw silk.	
668	
188 Boudon, Louis, St. Jean-du-Gard, Gard.—Raw silk.	
668	
189 Arlès, Dufour, Lyons.—Raw silk.	
668	
190 Thoinas, F., Pont des Charettes, Gard.—Cocoons and raw silk.	
668	
191 Pellet, A. P., St. Jean-du-Gard, Gard.—Raw silk.	
668	
 Machines, Implements, and Processes of Manufacture.	
192 Rabache, A., Clunay-sur-Odon, Calvados.—Double plow.	
670	
193 Couture, Paris.—Stripping machines for textiles.	
673	
194 Druelle, Reims.—Corking apparatus for champagne wines.	
673	
195 Deny, Louis, Paris.—Cylinder press for sugar.	
673	
196 Maurice & Guenin, Epernay.—Corking machines.	
673	
197 Mabille Bros., Amboise, Indre and Loire.—Wine and oil presses.	
673	
198 Logette, Ay, Marne.—Clasps for bottles, and machines for using them.	
673	
199 Gervais, E., Bordeaux.—Corking machines.	
673	
200 Fréal, Epernay, Marne.—Machines for filling bottles.	
673	
201 Fisse, Thirion, & Co., Reims.—Iron clasps and bottling apparatus.	
673	

Agricultural Machines, Engineering.

202	Mercier, Eug., Epernay.—Apparatus for vine-culture and for the manufacture of sparkling wines.	673	214	Sensfelder, Arcueil, Seine.—Shearing machines.	674
203	Malligand, Ed., jr., Paris.—Alcohol tester.	673	215	Aubin & Baron, Paris.—Millstones.	674
204	Pernollet, Jh., Paris.—Sieves, sorters, and root knives.	673	216	Bailly & Co., La Ferté-Sous-Jouarre, Seine and Marne.—Millstones.	674
205	Tricourt, A., Reims.—Wine manufacturing machines.	673	217	Bertrand, J., & Co., La Ferté-Sous-Jouarre.—Millstones.	674
206	Chenaillier, Paris.—Evaporator.	673			
207	Cicile, Larbre, Reims, Marne.—Machines for cleaning bottles.	673			
208	Dornon, L., Lyons.—Gauzes for bolting rooms and sieves.	674			
209	Perard, V., Paris.—Sheep-shearing machine.	674			
210	Fauqueux, A., La Ferté-Sous-Jouarre, Seine and Marne.—Millstones.	674			
211	Durvie, Ivry-la-Bataille, Eure.—Mechanical kneading-trough.	674			
212	Scheidecker, Ch., Paris.—Shearing machines.	674			
213	Roger, jr., & Co., La Ferté-Sous-Jouarre, Seine and Marne.—Millstones.	674			

Agricultural, Engineering, and Administration.

218	Coignet, senior and junior, & Co., Paris.—Manure.	681
219	Midi Phosphate Manufacturing Co., Paris.—Phosphate of lime.	681
220	Jacquand, senior and junior, Lyons.—Animal charcoal, phosphates, etc.	681
221	Solfatare de Pozzuoli Manufacturing Co., Paris.—Artificial manure.	681
222	Sensfelder, Arcueil, Seine.—Artificial manure.	681
223	Tancrede Bros., Paris.—Animal charcoal.	681
224	Desfeux, Ph., Paris.—Models of agricultural sheds.	683

GERMANY.

(West of Nave, Columns 1 to 4.)

Forest, Agricultural, Vegetable, Animal Products.

Arboriculture and Forest Products.

1	Körper & Co., Mannheim.—Resinous products in a manufactured state.	603
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Agricultural Products.

2	Noll, Joh. Balth., & Bros., Bucking, Giessen.—Cigars.	623
3	Neubeck, A., Bruchsal.—Cigars.	623
4	Eckstein, A. M., & Sons, Göttingen.—Tobacco and cigarettes.	623
5	Gaus, August, Baden-Baden.—Tobacco and cigarettes.	623
6	Landfried, P. J., Rauenberg.—Tobacco and cigarettes.	623
7	Scherzinger, W., Stollhofen.—Tobacco and cigarettes.	623
8	Lotzbeck Bros., Lahr.—Snuff.	623
9	Goldmann, C., Neutomischel.—Hops.	623
10	Le Coq, A., & Co., Darmstadt.—Seeds.	624

Animal and Vegetable Products.

11	Freudenberg, C., Weinheim.—Calf-skins.	652
12	Kaumanns, F. H., Ehrenbreitstein.—Leather.	652

13	Meyer, E., Berlin.—Leather.	652
14	Schaller, G., Lahr.—Morocco leather.	652
15	Simon, C., Sons, Kirn-on-the-Nahe.—Morocco leather.	652
16	Dessauer, A., Aschaffenburg.—Parchment, glue.	652
17	Winter, Fr., Offenbach-on-Main.—Glue.	652
18	Spicharz, Ph. Jac., Offenbach-on-Main.—Leather.	652
19	Bruning, H. W., Neumünster.—Leather.	652
20	Gernert, J., Munich.—Preserved fruits and vegetables.	656
21	Leipsic Malt Factory, Schkeuditz, near Leipsic.—Malt.	656
22	Moskopf, Th., Fahr, near Neuwied.—Mustard.	656
23	Walkhoff, J. H. G., Hamburg.—Preserved fish.	656
24	Naumann, D. L., Dresden.—Spice extracts.	656
25	Aly, August, Hamburg.—Barley, etc.	657
26	Bartsch, Max, Breslau.—Macaroni.	658

Vegetable Products, Wines.

27 Roper, J. F., Neuwied-on-Rhein.—Vermicelli.	658	81 Kehrmann, Fr., Coblenz.
28 Schorke, A., Gorlitz.—Grape sugar, assorted syrups.	659	82 Buhl, F. P., Deidesheim.
29 Stollwerk Bros., Cologne.—Chocolates, etc.	659	83 Feis, Louis, Deidesheim.
COLLECTIVE EXHIBIT OF GERMAN WINES.	660	84 Eckel, Gebr., Deidesheim.
30 Dahlen, J. F. J., Lorch.		85 Seyler, Fr., Deidesheim.
31 Germersheimer, Jac., Lorch.		86 Frölich, F. A., Deidesheim.
32 Dahlen, Burgermeister, Lorch.		87 Vornberger, J. M., Wurzburg.
33 Travers, Franz, Lorch.		88 Lang, F. J., Wurzburg.
34 Wittemann, Peter, Lorch.		89 Oppmann, J., Wurzburg.
35 Fendel, H. J., Lorch.		90 Meuschel, senior, J. W., Buchbrunn.
36 Jung, Joh. Ant., Assmannshausen.		91 Valckenberg, P. J., Worms.
37 Bruck, Erwin, Assmannshausen.		92 Langenbach, J., & Sons, Worms.
38 Grun, Wilh., Assmannshausen.		93 Bach, A. H., Mayence.
39 Kerber, Pet. Jos., Assmannshausen.		94 Henkell & Co., Mayence.
40 Aumuller, Jac., Rudesheim.		95 Dreydelsohn & Co., Mayence.
41 Brandmuller, J. B., Rudesheim.		96 Jäger & Son, Büdesheim.
42 Corvers, Ph., Rudesheim.		97 Meyer & Coblenz, Bingen.
43 Dietrich & Co., Rudesheim.		98 Orb & Weiss, Westhofen.
44 Dilthey, Sahl, & Co., Rudesheim.		99 Herbster, J., Sulzburg.
45 Ehrhardt, C., Rudesheim.		100 Durlacher, S., & Sons, Kippenheim.
46 Ehrhardt, J., Rudesheim.		101 Schutt, A., Bühl.
47 Gebürsch, Widow, Rudesheim.		102 Rossler, A., Neuweier.
48 Hey, Carl, Rudesheim.		103 Wenk, M., Offenburg.
49 Jung & Co., Rudesheim.		104 Hausler, C. S., Hirschberg, Silesia.—Wine.
50 Krass, J. A., Rudesheim.		660
51 Muschel, F., Rudesheim.		105 Rheingau Sparkling Wine Co., Schierstein.—Wine.
52 Schulz & Reuter, Rudesheim.		660
53 Winkel & Rothenbach, Rudesheim.		106 Henckell & Co., Mainz.—Wine.
54 Burgeff, N., Geisenheim.		660
55 Höhl, Bros., Geisenheim.		107 Luidecke, A. G., Magdeburg.—Wines.
56 Lade, Fritz, Geisenheim.		660
57 Quitman, A., Geisenheim.		108 Bäcker & Fiec, Treves.—Liqueurs.
58 Rothe-Thorndike, Geisenheim.		660
59 Metternich, Prince von, Johannisberg.		109 Behrensen, Th., Kiel.—Liqueurs.
60 Forst, J., Johannisberg.		660
61 Klein, Joh., Johannisberg.		110 Boyens, P. W., Tömmig.—Liqueurs.
62 Muller, Gottl., Winkel.		660
63 v. Cunibert, Frh., Oestrich.		111 Brumby, G., Luckau.—Liqueurs.
64 Peez, Ernst, Oestrich.		660
65 Rasch, Oestrich.		112 Dammann, L., & Cordes, Thorn.—Liqueurs.
66 Steinheimer, C. J. B., Oestrich.		660
67 Söhnchen, Hallgarten.		113 Hoffmann, M. & J., Pfalzburg.—Liqueurs.
68 Krämer & Lauer, Eltville.		660
69 Nilkens, A., Eltville.		114 Kadach, J., Berlin.—Liqueurs.
70 Preusel & Bachmann, Eltville.		660
71 Furstenberg-Stammheim, H. E., Count of, Kiedrich.		115 Keiler, J. S., Dantzig.—Liqueurs.
72 Proprietors of the Kett Estate, Kiedrich.		660
73 V. Kindlinger, Neudorf.		116 Landauer & Macholl, Heilbronn.—Liqueurs.
74 König, J. B., Rauenthal.		660
75 Siegfried, Rauenthal.		117 Stein, G. & L., Offenburg.—Liqueurs.
76 Rosenstein, B., Wiesbaden.		660
77 Zais, Wiesbaden.		118 Stibbè, H., Cologne.—Liqueurs.
78 Diener, Hochheim.		660
79 Rheingau Sparkling Wine Co., Schierstein.		119 Underberg-Albrecht, H., Rheinberg.—Liqueurs.
80 Feist Bros. & Sons, Frankfort-on-Main.		660
		120 Drouven, Jac., & Co., Coblenz.—Liqueurs, arrack punch-syrup.
		660
		121 Gilka, J. A., Berlin.—Liqueurs and spirits.
		660
		122 Lehment, Fr., & C., Kiel.—Liqueurs and spirits.
		660
		123 Köpp, Th., & Son, Wesel.—Liqueurs and extracts.
		660
		124 Ulex, G. F., successors to, Neuhaus-on-the-Oste.—Liqueurs and extracts.
		660

AGRICULTURE.

Vegetable Products, Agricultural Machines, and Engineering.

125 Kantorowicz, H., Posen.—Liqueurs and fruit juices. 660

126 Lazar, Gebr., Königsberg, Prussia.—Liqueurs and fruit juices. 660

127 Naumann, Fr., Delitzsch.—Liqueurs and fruit juices. 660

128 Bernhardt, A., Breslau.—Essences. 660

129 Schneider & Schorn, Magdeburg.—Essences. 660

130 Buck Bros., Lübeck.—Vinegar. 660

131 Stengel, W., Leipzig.—Potato brandy. 660

132 Meyer, Edward, Stadthagen.—Herb-liqueurs. 660

133 Ackermann, Louis, Berlin.—Extracts for liqueurs. 660

134 Wedenbrig, H. T., Barmbeck.—Liqueurs. 660

COLLECTIVE EXHIBIT OF BAVARIAN HOPS, BEER, AND LITERATURE RELATING THERETO. 660

135 Dreifuss & Binswanger, Nuremberg.

136 Sahlmann Bros., Fürth.

137 Stadt Magistrat, Spalt.

138 Carl, J., Nuremberg.

139 Homann, C., Nuremberg.

140 Bottinger, H. F., Wurzburg.

141 Boutteville, Frh. v., Mering.

142 Geisel, L., Neustadt-on-the-Hardt.

143 Pschow Brewery, Munich.

144 Frh. v. Thüngen Brewery, Weissenbach.

145 Weltz, H., Speier.

146 Bavarian Joint-Stock Brewery, Aschaffenburg.

147 Dortmund Brewery, Aix-la-Chapelle.—Beer. 660

148 Friedrichshöhe Joint-stock Brewery, Berlin.—Beer. 660

149 Hildebrand, J., Pfungstadt.—Beer. 660

150 Karfunkelstein, M., & Co., Hamburg.—Beer. 660

151 Kauffmann, L., Mannheim.—Beer. 660

152 Berlin Tivoli Brewing Co., Berlin.—Beer. 660

Textile Substances of Vegetable or Animal Origin.

153 Overbeck, Peter, Dortmund.—Beer. 660

154 Mens, R. von, Carlsdorf, Silesia.—Merino wool. 667

155 Stein, H. & Co., Frankfurt-on-Main.—Spun horse-hair. 669

Machines, Implements and Processes of Manufacture.

156 Mayer & Co., Kalk, near Cologne.—Winnowing and sorting machine. 672

157 Royal Wurtemberg Furnaces, Friedrichsthal.—Scythes. 674

158 Joacks & Behrns, Lübeck.—Model of a set of millstones. 674

159 Werner, J., & Co., Mannheim.—Brewing utensils and models.

Agriculture Engineering and Administration.

160 Eichler, Gustav, Sansouci.—Plans for gardens. 680

161 Raumer, C. V., Warmbrunn.—Works and models relating to drainage and irrigation. 680

AUSTRIA.

(Columns D to G, 1 to 4.)

Forest and Agricultural Products, Fruits.

Arboriculture and Forest Products.

1 Weissmann, David and Adlersberg, Isaac Leib, Perchinsko, Galicia.—Sound-board wood. 600

2 Frankl, I. G. & L., Vienna.—Austrian timber for furniture manufacturers. 600

3 Schwinner, George, Maissau.—Saffron. 602

Pomology.

4 Von Zierotin, Countess Gabriel, Blăuda, Moravia.—Gooseberry and currant bushes, two different fruits growing on the same stem. 610

5 Faseth & Son, F., Gumpoldskirchen, near Vienna.—Fresh grapes. 610

6 Marks & Weyden, Budapest.—Turkish prunes. 611

Agricultural Products.

7 Lyka, Demeter, Pázmánd, Hungary.—Wheat. 620

8 Sollnitzky & Mittler, Brunn.—Pulses. 621

9 Gogl, Junior, Zeno, Krems.—Mustard. 623

10 Chleborad, Franz, Ladislav, Mariditz.—Hops. 623

THE SUN NEWSPAPER

Is printed and published every day in the year, at 166, 168, and 170 Nassau Street, New York City. Its regular edition on secular days now (April, 1876) averages about 140,000; its weekly edition over 88,000; and its Sunday issue is nearly 100,000. It thus prints and sells more than a million copies a week, which are read all over the United States. This is a circulation unprecedented in American journalism, and it is constantly on the increase. In proof of this, let the following figures testify. They show the number of copies of THE SUN printed every week during the year ending March 11, 1876.

WEEK ENDING	COPIES PRINTED.	WEEK ENDING	COPIES PRINTED.
March	20.....849,382	September	18.....860,358
	27.....845,802		25.....858,778
April	3.....857,956	October	2.....863,935
	10.....863,556		9.....870,820
	17.....855,076		16.....878,082
	24.....858,270		23.....874,625
May	1.....869,542	November	30.....876,160
	8.....867,550		6.....908,580
	15.....877,450		13.....852,372
	22.....874,946		20.....847,815
	29.....866,276		27.....836,248
June	5.....873,782	December	4.....845,378
	12.....869,769		11.....1,042,716
	19.....880,348		18.....956,294
	26.....883,846		25.....933,864
July	3.....898,862	January	1.....933,987
	10.....867,574		8.....952,202
	17.....877,400		15.....953,019
	24.....876,282		22.....969,911
	31.....874,216		29.....967,850
August	7.....865,558	February	5.....993,030
	14.....875,982		12.....1,024,647
	21.....880,488		19.....1,027,209
	28.....870,502		26.....1,014,766
September	4.....872,211	March	4.....1,014,993
	11.....860,755		11.....1,028,951
TOTAL.....			46,799,769

In printing these papers, no less than three million four hundred and twenty-six thousand six hundred and ten (3,426,610) pounds of paper were consumed.

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PHILADELPHIA.

Agricultural, Animal, Vegetable Products.

11	Chiozza, Luigi, Cervignano, near Trieste.—Maize products.	623
12	Tanzer Bros., Prague.—Hops.	623
13	Schwarz & Sons, Benjamin, Auscha, Bohemia.—Hops.	623
14	Schary, Johann Michael, Prague.—Hops.	623
15	Mlinek, Johann, St. Veit, Karnthen.—Hops.	623
16	Frankl Bros., Prague.—Seeds.	624

Land Animals.

17	Von Lacher, Edward, Vienna.—History of bees.	638
Water Animals, Fish Culture and Apparatus.		
18	Topich, Antonio, Lissa, Dalmatia.—Preserved fish.	641

Animal and Vegetable Products.

19	Kreitner & Sons, David, Hohenbruck, Bohemia.—Leather.	652
20	Ielinek, Adolph, Lieben, Bohemia.—Glove leather.	652
21	Popper, Josef, Prague.—Kid leather.	652
22	Ianesch, Edward, Klagenfurt, Karnthen.—Leather.	652
23	Hoffman, I. and S., Klagenfurt, Karnthen.—Leather.	652
24	Foges, I., Gaudenzdorf, near Vienna.—Leather, calf and goat skins.	652
25	Eckstein, H. M., Lieben.—Glove leather.	652
26	Cernstein, Anton V., Pardubitz, Bohemia.—Cow leather and calf skin.	652
27	Breuer, Miromil, Elbeteintz, Bohemia.—Patent leather.	652
28	Winter, F., Altmannsdorf, near Vienna.—Hides.	652
29	Weiss, Bernhard, Vienna.—Cow-hides, lamb, goat, and sheep skins.	652
30	Suesz, A. H., Vienna.—Leather.	652

31	Schmitt, Franz, Rehberg, near Krems.—Leather.	652
32	Schmalzl, George, Gaudenzdorf, near Vienna.—Leather, skins.	652
33	Nenner, Christof, Klagenfurt and Trieste.—Leather.	652
34	Mehlshmidt, Franz, Prague.—Glove leather.	652
35	Petric, G. B., Bodenback.—Honey, wax.	654
36	Tschurtschenthaler, Alois, Botzen.—Conserved and dried fruits.	656
37	Sandpichter, Leopold, Gorz.—Candied fruit.	656
38	Kauffmann, M., Brunn.—Moravian malt.	657
39	Sellnitzky & Mittler, Brunn.—Barley.	657
40	Hanna Malt Factory, Kremsier.—Malt and barley.	657
41	Rosenthal, I., Vienna.—Wheat, wheaten flour.	657
42	Pohl, Josef, Zuckmantel, Austrian Silesia.—Flour and groats.	657
43	Nachtmann, Jacob, Tannwald.—Raspberry syrup.	659
44	Bauer & Son, L. W., Vienna.—Liquor.	660
45	Auchmann, F., Marburg, Styria.—Champagne.	660
46	Archleb, Josef, The Farms, Kvasnei.—Liquor.	660
47	Abeles, Heinrich, Vienna.—Wine.	660
48	Magazzin, Matteo, Zara.—Liquors.	660
49	Luxardo, Girolamo, Zara, Dalmatia.—Liquors.	660
50	Radon, Karl, Leitmeritz, Bohemia.—Beer, malt.	660
51	Lord & Co., F., Vienna.—Liquor.	660
52	Stampalia, Tommaso, Zara.—Liquors and cordials.	660
53	Siebenbürgen Wine Association, Klausenburg.—Wines.	660

SWITZERLAND.

Agricultural, Animal, Vegetable Products.

Agricultural Products.

1	Anastasio, Giuseppe, Lugano, Ct. Tessin.—Cigars.	623
2	Kottmann, J., Solothurn.—Cigars.	623
3	Sauter, A., Diessenhoffen, Ct. Thurgau.—Cigars.	623

Animal and Vegetable Products.

4	Schleife Tanneries, Winterthur, Ct. Zurich.—Blackened calf leather.	652
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5	Hürlimann, J. J., Rapperswyl, Ct. St. Gallen.—Swiss honey.	654
6	Society for Bee Culture, Lukmanier, Sobrio, Ct. Tessin.—Honey and wax.	654
7	Coffee Surrogate Factory, Zurich.—Fig-meal (surrogate of coffee), conserved coffee.	656
8	Robbi & Co., Geneva.—Chocolate.	656
9	Schweigert, Auguste, Geneva.—Theodore's sauce.	656

Vegetable Products, Wines, Liquors.

10	Suchard, Ph., Neufchâtel.—Chocolate, cacaos.	656	18	Nievergelt, Joh., Maschwanden, Ct. Zurich.—Kirschwasser.	660
11	Almen, von, Kopp, Fleurier, Ct. Neufchâtel.—Absinthe.	660	19	Pernod, Ed., Couvet, Ct. Neufchâtel.—Green and white absinthe, gentian-liquor, kirschwasser.	660
12	Berger, C. F., Couvet, Ct. Neufchâtel.—Absinthe.	660	20	Scherer, Gebr., Meggen, Lucerne.—Kirschwasser.	660
13	Bernhard, S., Samaden, Engadin, Ct. Graubünden.—Jva bitter, Jva perfume, and tincture.	660	21	Schmidt, Joseph, Zug.—Sweet-liquors, righibitter, stomach-bitters, kirschwasser.	660
14	Bolle, L. A., Son, Verrières, Ct. Neufchâtel.—Green and white absinthe.	660	22	Stauffenegger, Chr., Travers, Ct. Neufchâtel.—Absinthe.	660
15	Grandpierre, J., Geneva.—Vermouth.	660	23	Gessler-Zeller, J., Basle.—Leckerly of Basle.	660
16	Henny & Moullet, Fleurier, Ct. Neufchâtel.—Absinthe.	660	24	Mattmann, Brothers, C. & J., Horw, near Lucerne.—Italian pastry.	660
17	Kirschwasser Company, Zug, Zug.—Kirschwasser.	660			

BELGIUM.

(West of Nave, Columns 9 to 13.)

Agricultural, Animal, Vegetable Products.

Agricultural Products.

1	Le Bailly, D'Inghuem, Viscount Arthur John, Villeneuve, Switzerland.—Cereals cultivated in a sandy soil.	620
2	Ameye Berte, Rodolph, Ghent.—Chicory, raw, in the pod, and manufactured.	623
3	Bonenfant Bros., Jodoigne (Brabant).—Chicory, raw, in the pod, and manufactured.	623
4	Devos-Biebuyck, Hal, near Brussels.—Chicory, raw and manufactured.	623
5	Vandendaele-Rigot, Charles, Quiévrain (Hainault).—Steam machine for manufacturing chicory, ground mustard.	623
6	Delannoy, Nicholas, Tournai.—Chocolate.	623
7	Joveneau, Arthur, Tournai (Hainault).—Powdered cocoa and chocolate; detail of chocolate manufacture.	623

Animal and Vegetable Products.

8	Fremery & Co., Oils.	652
9	Bodart, Ed.; Louvain (Brabant).—Sheep skins, white leather, morocco, salted roans.	652
10	Chantrain, E., Schaerbeek, near Brussels.—Leather peltry.	652
11	Lebermuth, J., & Co., Brussels.—Waxed leather and goat skins.	652
12	Ocreman, L., & Witdoeck, E., Mechlin, province of Antwerp.—Varnished skins.	652
13	Schmitz, F. A., & Co., Koekelberg, near Brussels.—Skins for hats; manufactured morocco leather.	652

14	Verboeckhoven, E. B., Brussels.—Varnished and unvarnished hides and skins.	652
15	Versé-Spelmans, Brichot, Ant, & Co., Brussels.—Curried leather.	652
16	Mirland & Co., Frameries, near Mons (Hainault).—Dried fruit paste.	656
17	Remy & Co., Louvain (Brabant).—Starch and similar products.	658
18	Demeulemeester, V., Ghent.—Candy made from sugar-cane sugar.	659
19	Raparlier, Alphonse John, Steen huyse-Wynhuyse, near Graninmont, East Flanders.—Syrups.	659
20	Vandendaele-Rigot, Ch., Guiévrain (Hainault).—Pear, apple, and beet-root syrups.	660
21	Charlier, John Baptist, Ghent.—Beer.	660
22	De Beukelaer, F. X., Antwerp.—Antwerp elixir, hygienic cordial.	660
23	Fouassin, Arsenius, Liège.—Cordials.	660
24	Schaltin, Pierry & Co., Spa.—Cordial, mineral waters, etc.	660
25	Schmidt, Emile, Schaerbeek, near Brussels.—Belgian bitters, cordial.	660
26	Schmitz, Peter, & Laleman, Francis, Charleroi (Hainault).—Health bitters, hygienic cordial.	660
27	Bergh, van den, & Co., Antwerp.—Gin made from fine grains.	660
28	Vandendaele-Rigot, Ch., Quiévrain (Hainault).—Vinegar.	660
29	Wauters-de-Busscher, Mechlin, Province of Antwerp.—Cordials.	660

Agricultural Products, and Machines, Textile Substances.

30 Damman, Edm., Borgerhout, near Antwerp.—Ship biscuit.	661	35 Müllender, S., Verviers.—Flocks of wool and shearings.	667
31 Casserie, van de, Leopold, Ghent, East Flanders.—Biscuits, etc.	661	36 Delmotte, Hippolitus, Ghent.—White bristles.	669
Textile Substances of Vegetable or Animal origin.		Machines, Implements, and Processes of Manufacture.	
32 Leclercq, Henry, Courtrai.—Flax.	666	37 Dassonville-de-Saint, Hubert, L., Namur.—Stones for grinding grain, cements, etc.	674
33 Taulez-Bottelier, Charles, Bruges, East Flanders.—Oakum, flax.	666	38 Macque, Leopold, Brussels.—Grinding apparatus.	674
34 Bodart, Ed., & Co., Louvain (Brabant).—Cold-washed wool.	667		

NETHERLANDS.

(Columns A to G, and 3 to 5.)

Agricultural, Animal, Vegetable Products.

Arboriculture and Forest Products.

1 Thyssen, C. J. F.—Sieve frames.	600
2 Kleintjes, J., Rotterdam.—Plant 100 years old.	601
3 Hulskamp, F. A., Amsterdam.—Cork.	604

Agricultural Products.

4 Dutch Agricultural Society.—Agriculture, horticulture, arboriculture.	620
5 Agricultural Association (collective exhibit), Gelders.—Agricultural products.	620
6 Zeeland Association for Encouragement of Agriculture and Cattle-Breeding (collective exhibit), Middleburg.—Seeds, dye-woods, plants, and photographs of cattle.	620
7 Bouma, H. G., & J. G., Sneek.—Buckwheat.	620
8 Poel, Cz. P. vander, Brielle.—Wheat, barley, oats, cabbage, and seeds.	62
9 Post, C. G. van der, Gonda.—Cigars.	623
10 Bleckmann, A., & B. C., & Van der Pool, H., Arnhem.—Cigars.	623
11 Mignot, A. J., & de Block, A. A. M., Eindhoven.—Cigars.	623
12 Jagt, P. G. van der, & Francois, J.—Cigars.	623
13 Koppen, H. T., & Zoon, Leerdam.—Cigars.	623

Water Animals, Fish Culture and Apparatus.

14 Maas, A. E., Scheveningen.—Boats, nets, hooks, etc.	647
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Animal and Vegetable Products.

15 Heil, L. W., Haarlem.—Edam cheese.	651
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16 Goede, D., Alkmaar.—Cheese.	651
17 Vliet, A. van, Bergumbacht.—Cheese and butter.	651
18 Jong, M., & K., Hoorn.—Edam cheese.	651
19 Draisma van Valkenburg, S., Leeuwarden.—Lard, ivory, bone, horn, and glue.	652
20 Heijusbergen, P. van, Zaandam.—Purified medicinal liver-oil containing iron.	652
21 Draisma van Valkenburg, S., Leeuwarden.—Liver-oil containing iodine and iron.	652
22 Heijusbergen, P. van, Zaandam.—Liver-oil containing iron.	652
23 Klütgen, J. H., Rotterdam.—Bed-feathers.	653
24 Visser, J., Amersfoot.—Brown and white mead.	654
25 Surie Weduroc, J. W., & Zoon, & Co., Rotterdam.—Preserved eatables.	656
26 Heinwenhuijs, jr., J. H., & Co., Amsterdam.—Conserved eatables in tins, boxes, and bottles.	656
27 Van Rijn van Alkemade, Gravenhage.—Preparations of peas, sausages, flour, and drugs.	656
28 Hoogenstraaten, D. A. J., Leiden.—Vegetables and fruit in cans and boxes.	656
29 Wolff, M. M. Z., Amersfort.—Flour, ground and unground.	657
30 Schober, J. H. Wm., Utrecht.—Flour.	657
31 Van Marken, jr., J. C., Delft.—Oil, corn, and corn-cakes.	657
32 Grootes, Pz. M., Westzaan.—Cocoa, chocolate, and chocolatine.	658
33 Driessen, C. A., J. P., & H. T., Rotterdam.—Cocoa, chocolate and cocoa-butter.	658

Vegetable Products, Wines, Liquors.

34	Haagen, R. C. van, Utrecht.—Cocoa, cocoa-butter, and chocolate.	658	54	Oostra, G. Wildervank, Groningen.—Liquor and elixir.	660
35	Egberts, B. H., Dalfsen.—Succory.	658	55	Hofman, A. J. T., Woerden.—Liquors, bitters, extracts, and spirits.	660
36	Duijvois, J., Koog -aan - de - Zaan.—Starch.	658	56	Wynand, Fockink, Amsterdam.—Fine liquors.	660
37	Veenhoven, Schuringa, & Co., Wildenaak.—Potato-flour.	658	57	Houtman, A., & Co., Schiedam.—Gin.	660
38	Sloet van Marxveld, G., Baron, Vollenhoven.—Syrup in bottles.	659	58	Volk, J. van der, & Co., Delfshaven.—Gin made of grain double distilled.	660
39	Verweij, H., & Co., Tiel.—Sugar of grape and potato-meal.	659	59	Zuijlenkorn, van Levert, & Co., Amsterdam.—Fine liquors, bitters, gin, brandy, etc.	660
40	De Bary, M. J., Amsterdam.—Confectionery and chocolate, in forms and moulds.	659	60	Meder, J. J., Schiedam.—Swan gin.	660
41	Van Marken, jr., J. C., Delft.—Alcohol.	660	61	Livert & Co., Amsterdam.—Liquors.	660
42	Pollen, L. P. M., Rotterdam.—Liquors.	660	62	Rademakers, A. C., Delfshaven.—Gin.	660
43	Schade van Westrum, J. C., Schiedam.—Gin.	660	63	Smits, F. H. M., Buda.—Strong beer.	660
44	Kiderlen, E., Delfshaven.—Alcohol and potash.	660	64	Van Dulken, Rotterdam.—Gin, brandy, and alcohol.	660
45	Bal, J. J., Middelburg.—Red currant wine.	660	65	Lensvelt, G., Gravenhage.—Table-biscuit, cake, ship-bread.	661
46	Catz, S., Pikel.—Bitters and liquors.	660	66	Ulrich, W. D., Rotterdam.—Ship-biscuit.	661
47	Groen, Gz. J. B., Amsterdam.—Bitters and wine.	660	67	De Jough, Wz. D., Dordrecht.—Vegetable oils and seed cakes.	662
48	Stitte, Lz. G., Kampen.—Fine liquors and bitters.	660	68	Kruijsmulder, Cz. D., Amsterdam.—Vegetable oils.	662
49	Holet, J. J. G., Schiedam.—Gin and spirits.	660	69	Dutch Association for Encouragement of Flax Industry, Rotterdam.—Flax and linseed.	666
50	Bootz, Erven Wed, F. A., Amsterdam.—Liquors.	660	70	Gorter Brothers, Dokkum.—Flax.	666
51	Blankenheijm, J. J. M., & Lede, C. A. E. van, Rotterdam.—Gin.	660	71	Van Casteel, A. F., Rotterdam.—Holland, Freeland, and Iceland flax.	666
52	Hoppe, P., Amsterdam.—Gin, liquors, and distillations.	660	72	Mulder, L., Arnhem.—Periodicals.	680
53	Bols, de Erven Lucas, Amsterdam.—Fine liquors.	660			

SWEDEN.

Forest and Agricultural Products.

Agriculture, Arboriculture, and Forest Products.

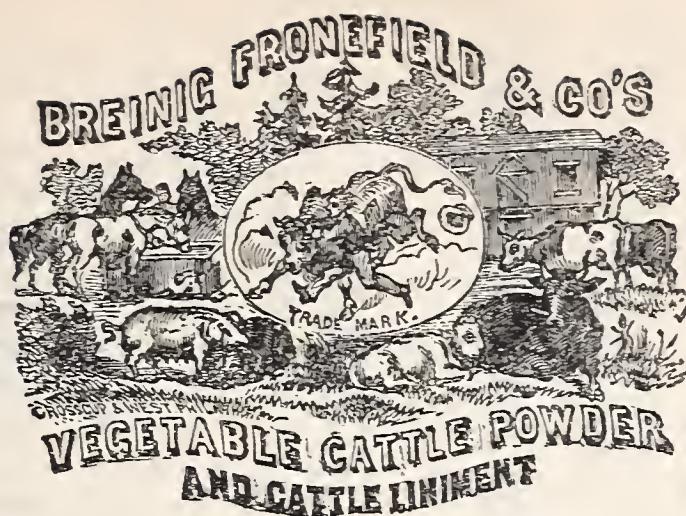
- 1 Wikström, J. A., for the New Gellivara co. (limited), Lulea.—Fir timber grown at the latitude of 67° N.; specimens of lumber.
- 2 Kalmar Southern Agricultural Society, Kalmar.—Products of sylviculture.

Agricultural Products.

- 3 Fogelmark, Sixten, Afva, Lulea.—Cereals.
- 4 Gotlands Agricultural Society, Visby.—Cereals.

- 5 Hofmeister, Ch., Ingelstad, Svens-torp.—Cereals.
- 6 Hultenberg, C. A., Borgholm.—Cereals.
- 7 Kalmar Agricultural Society, Westervik.—Cereals.
- 8 Kalmar Southern Agricultural Society, Kalmar.—Cereals and other agricultural products.
- 9 Malmöhus Agricultural Society, Malmö.—Cereals, grass-seeds, and forage-plants.
- 10 Platen, Carl von, Count, Arbyhus.—Cereals and seeds of forage-plants.

Sales in the past year
over **FIVE TONS per**
Month, in packages of
12 ounces each.



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1850.
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In the Horse it will cure Coughs, Distemper, Farcy, Fevers, Gripes, and Colic Inflammation, Hide Bound, Glanders, Staggers, Kidney Disease, Lung Disease, Scours, Loss of Appetite, etc., all depending more or less on a bad state of the blood.

In the Cow it will cure Jaundice or Yellows, Bloody Urine, Bloody Milk, Hollow Horn or Wolf Disease, Garget, etc.

In Hogs it shows its good effects sooner than in any other animal. It keeps them clear of disease, particularly when congregated together in distilleries.

More especially, the VEGETABLE CATTLE POWDER claims what no other Horse or Cattle Powder dare claim, viz.: It will, by its chemical qualities, enable a Cow, upon the same amount of food, to yield an increase of Milk and Butter, the latter in quantity of from one to two pounds per week, or it will aid the fattening of stock in general, to the amount of from 20 to 25 per cent. It is a sure cure for Chicken Cholera or Gapes.

The Powder comes in large packs, at 25 cents, or five packs for a dollar.

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1876.

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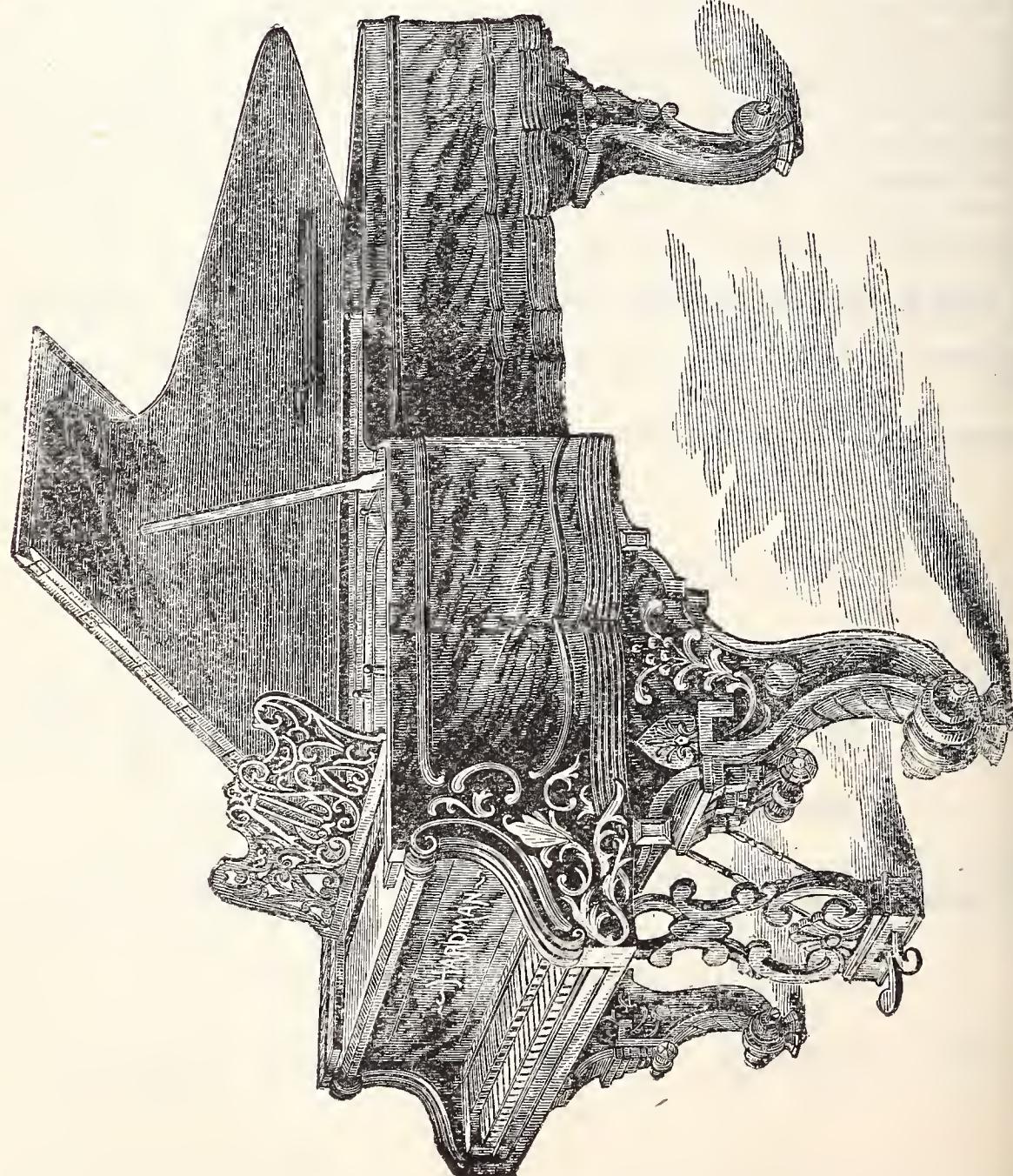
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NEW YORK CITY.



Agricultural and Animal Products, Fish, Plows.

11	Rosencrantz, H., Gärnäs, Hammenhög.—Cereals.	620
12	Von Scheéle, G., Kilanda, Göteborg.—Cereals and grass-seeds.	620
13	Skaraborgs Agricultural Society, Lidköping.—Agricultural products.	620
14	Stenström, O. E., Gärdsjö, Karlstad.—Agricultural products.	620
15	Upsala Agricultural Society, Upsala.—Cereals.	620
16	Westerbottens Agricultural Society, Umeä.—Agricultural products.	620
17	Westmanlands Agricultural Society, Stenby, Strömsholm.—Agricultural products.	620
18	Wikström, J. A., for the New Gellivara Co. (limited), Lulea.—Agricultural products.	620
19	Orebro Agricultural Society, Orebro, Nora.—Cereals.	620
20	Malmöhus Agricultural Society, Malmö.—Seeds of leguminous and other plants.	621
21	Bergren, D., & J., Stockholm.—Tobacco.	623
22	Dahl, P., Carlshamn.—Tobacco.	623
23	Hennig & Papenhagens, Chicory Manufacturing Co., Kalmar.—Raw materials and products.	623
24	Kockums, F. H., Tobacco Manufacturing Co., Malmö.—Tobacco.	623
25	Lundgren, P. W., Stockholm.—Mustard.	623

Water Animals, Fish Culture, and Apparatus.

26	Kong, C., Royal Centennial Commission.—Fishes living in the Swedish waters.	641
27	Amundson, C. M., Uddevalla.—Oyster anchovy.	642
28	Andersson, Gustaf, Tjellbacka.—Anchovy and sardines.	642
29	Bergström, H. C., Lysekil.—Anchovy and herrings.	642
30	Ericson, N. O., Lysekil.—Anchovy and herrings.	642
31	Hallgren, J. J., Gullholmen, Oroust.—Anchovy.	642
32	Royal Centennial Commission. a Pickled fish.	642
	b Instruments and apparatus for fishing.	647
33	Lundgren, P. W., Stockholm.—Preserved fish.	642
34	Lysell, Aug., Lysekil.—Anchovy.	642
35	Nillson, Edv., Grebbestad.—Preserved mackerel.	642
36	Leidesdorffska Fishing Apparatus Manufactory, Stockholm.—Instruments and apparatus of fishing.	647

Animal and Vegetable Products.

37	Mälareprovinsernas Dairy Co., Stockholm.—Canned butter.	651
38	Wästfelt, Carl C., jr., Kölingsholm, Mullsjö.—Rennet.	651
39	Bock, Ch. A., Klippan, Abj.—Glue prepared for manufacturing paper.	652
40	Ericsson, Anders, Stockholm.—Kid-skin.	652

41	Johannesson, C. S., Stockholm.—Leather.	652
42	Nevelius, C. J., Stockholm.—Kid-skin.	652
43	Nissen, C., Göteborg.—Confections and preserved fruits.	656
44	Frommel, C. J., Göteborg.—Confections and preserved fruits.	656
45	Wikström, N., Stockholm.—Preserved vegetables.	656
46	Landskrona French Flouring Mills, Landskrona.—Flour and cereals.	657
47	Von Scheéle, G., Kilanda, Göteborg.—Flour and other products of grinding.	657
48	Ystads French Flouring Mills, Ystad.—Flour and other products of grinding.	657
49	Bock, Ch. A., Klippan, Abj.—Starch prepared for manufacturing paper.	658
50	Lundgren, P. W., Stockholm.—Grape-sugar, sago-grit.	659
51	Skanska Sugar Refining Co, Landskrona.—Beet-sugar.	659
52	Berg, C. G., Carishamn.—Punch.	660
53	Von Bergen, J. N., & Son, Carls-hanin.—Punch.	660
54	Broddelius & Akerman, Göteborg.—Punch.	660
55	Cederlunds, J., Söner, Stockholm.—Punch.	660
56	Creutz, A., Gripsholm, Marifred.—Punch.	660
57	Dahlheim & Engström, Stockholm.—Punch.	660
58	Hagendahl, C. A., Orebro.—Whisky prepared from reindeer-moss and the raw materials.	660
59	Högstedt & Co., Stockholm.—Punch.	660
60	Lindh, A., Landskrona.—Ale.	660
61	Lundgren, P. W., Stockholm.—Vinegar.	660
62	Petterson, Otto, Stockholm.—Punch.	660
63	Platin, C. G., & Co., Göteborg.—Punch and liquors.	660
64	Thalin, Waldemar, Nyköping.—Punch.	660
65	Wallis, A. B., Dybeck, Skurup.—Ale.	661
66	Teith, H. J., & Söner, Upsala.—Biscuits.	661
67	Kong, C., Royal Centennial Commission, Stockholm.—Dried bread.	661
	Textile Substances of Vegetable or Animal Origin.	
68	Ekman, C. D., Bergvik.—Flax rotted by chemicals.	666
	Machines, Implements, and Processes of Manufacture.	
69	Eklundh, L. P., Hjelmafors, Ulrice-hamn.—Plows.	670
70	Göteborgs Machine Co., Göteborg.—Plows	670
71	Palmcrantz, Helge, Stockholm.—Mower.	672

Agricultural Appliances.

72	Petterson, C. E., Langö Works, Elf-dalen, Mora.—Scythes.	672	79	Friestedt, A. W., Stockholm.—Commercial fertilizers.	681	
73	Andersson, J., Kjärdingagärde, Guosjö.—Cow-bells and sheep-bells.	675	80	Detou, de, Dr., Stockholm.—Artificial manures prepared in Sweden, and their raw materials.	681	
74	Atterling, C., Orebro.—Dairy apparatus.	675	81	Superphosphate Manufacturing Co., Stockholm.—Fertilizing preparations and their raw materials.	681	
75	Kockum, F. H., Malmö, för Kallinge Works, Ronneby.—Dairy utensils of iron and steel.	675	82	Vedelin, F., & Co., Göteborg.—Commercial fertilizers.	681	
76	Rehnström, W., Tibble, Köping.—Drawing of dairy-houses and utensils.	675	83	Alnarps Agricultural Institute, Akarp.—Drawings of farm-houses.	683	
77	Schagelin, G. E., Södertelje.—Dairy utensils.	675	84	Löfvenskiöld, Ch. Em., Bergatorp, Mariestad.—Drawings of farm-houses.	683	
Agricultural Engineering and Administration.				85	Wulff, H. A., Applerum, Kalmar.—Drawings of farm-houses.	683
78	Fertilitas Stock Co. Göteborg.—Commercial fertilizers.	681				

NORWAY.

(West of Avenue F, Columns E 7 to F 9.)

Forest and Agricultural Products, Fish.

Arboriculture and Forest Products.

1	Drammen Steam Planing Mills, Drammen.—Grooved and tongued flooring boards and mouldings.	600
2	Holst, Chr., Ladegaardsøen, Christiania.—Samples of Norwegian wood.	600
3	Fabritius, H., Ullensaker.	
<i>a</i>	Models of tents and houses, made of chip. (See Department III, Main Building.)	342
<i>b</i>	Models of umbrellas and parasols made of chip. (See Department II, Main Building.)	254
4	Holmen's Sawing and Planing Mills, Drammen.—Grooved and tongued flooring boards and mouldings.	600
5	Koldfossen's Bobbin Works, near Bergen.—Blocks and bobbins of birch and alder, condenser props, etc.	600
6	Thams & Co., M., Orkedal.—Trunks of trees, planks, battens, staves, cornices, cases, etc.	600

Agricultural Products.

7	Schirod, Chr., Aker.—Wheat, rye, corn, and barley.	620
8	Holst, Chr., Ladegaardsøen, Christiania.—Cereals in ear and seeds.	620
9	Langaard, Conrad, Christiania.—Cigars, smoking and chewing tobacco.	623
10	Rus, A., Christiania.—Smoking Tobacco.	623
11	With, Johs. N., Christiania.—Cigars, smoking and chewing tobacco.	623

Land Animals.

12	Holst, Chr., Ladegaardsøen, Christiania.—Photographs of Telmark cows and description of the race.	31
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Marine Animals, Fish Culture and Apparatus.

13	Museum of Bergen, Bergen.	
<i>a</i>	Mammals	640
<i>b</i>	Fishes.	641
<i>c</i>	Crustaceans.	643
<i>d</i>	Mollusks, oysters, etc., stuffed and in alcohol.	644
14	Haar & Wesnæs, Stavanger.—Preserved herrings, anchovies, etc.	642
15	Bergens Rögeri, Bergen.—Red herrings.	642
16	Board of Commerce, Bergen.	
<i>a</i>	Herrings, cods, lings, saithes, tusks, haddock, etc., pickled and dried.	642
<i>b</i>	Fish-oil, fish-roses.	646
17	Board of Commerce, Alesund.	
<i>a</i>	Dried and salted fish.	642
<i>b</i>	Collection of fishing tackle.	647
18	Hjul & Platou, Christiania.—Anchovies.	642
19	Johnsen, Chr., Christiansund.—Salted and dried cod.	642
20	Meyer, Gerdt., Bergen.—White herrings.	642
21	Mohn, Peter, Bergen.—White herrings.	642
22	Nordrock, Wm., Christiania.—Anchovies.	642
23	Tellefsen, Mrs. Rina, Christiania.—Anchovies.	642
24	Smith, Mrs. Gina, Christiania.—Anchovies.	642
25	Soyland, L. B., Flekkefjord.—Preserved fish.	642
26	Dons, Henrik, Christiania.—Fish and anchovies.	642

Animal and Vegetable Products, Agricultural Implements.

27	Helgesen, H. A., Aalesund.—Preserved salmon, lobsters, etc.	642	52	Tellefsen, Mrs. Rina, Christiania.—Preserved game.	656	
28	Foyn, Sven., Tönsberg.—Whale oil, stearine. (<i>See Department II, Main Building.</i>)	201	53	Norwegian Condensed Milk Company, Christiania.—Condensed milk.	656	
29	Hjorth, Fr., Fredrikstad.—Anchovies.	642	54	Thorne, Chr. Aug., Moss.—Preserved meat and vegetables.	656	
30	Lund, Georg, Christiania.—Anchovies.	642	55	Norwegian Preserving Co., Mandal.—Preserved meats and vegetables.	656	
31	Eriksen, Erik, Christiania.—Anchovies.	642	56	Christiania Brewery, Christiania.—Pale ale.	660	
32	Just, C. C., Christiania.—Anchovies.	642	57	Dahl, E. C., Trondhjem.—Pale ale.	660	
33	Bordewich & Co., Lyngvær.—Fish-meal, fish-glue, caviar, fish-oil.	646	58	Forseth & Co., O. N., Christiania.—Pale ale.	660	
34	Dahl, Jens. O., Havöen.—Cod and herring nets, cod-lines.	647	59	Frydenlund Brewery, Christiania.—Pale ale.	660	
35	Erichsen, Thomas, Bergen.—Fish-hooks.	647	60	Hamar Brewery, Hamar.—Pale ale.	660	
36	Fagerheim Net Company, Bergen.—Salmon and herring seines, cod, mackerel, and herring nets.	647	61	Kongsberg Brewery, Kongsberg.—Pale ale.	660	
37	Kraasby Brothers, Aalesund.—Bait for cod-lines.	647	62	Lundetangen's Brewery, Skien.—Pale ale.	660	
38	Falck, Ytter, Christiania.—Norwegian fishing sled with implements.	647	63	Lysholm, Jorgen B., Trondhjem.—Norwegian brandy and punch.	660	
39	Bergen Glass Works, Bergen.—Buoys and floats for fishing nets and lines.	647	64	Poulsen & Co., H., Christiania.—Arrac punch.	660	
Animal and Vegetable Products.				65	Ruud, J. A., Christiania.—Pale Ale from Moss brewery, Norwegian corn brandy.	660
40	Rosing's, A., widow, Christiania.		66	Aass, P. L., Drammen.—Beer.	660	
<i>a</i>	Condensed milk.	651	67	Brodersen, N., Drammen.—Norwegian cordials.	660	
<i>b</i>	Crackers of fishmeal.	661	68	Wriedt, Chr., Drammen.—Beer.	660	
41	Lund, Georg, Christiania.—Preserved old cheese.	651	69	Tandberg, Frants, Drammen.—Norwegian cordials.	660	
42	Klem, Hansen, & Co., Trondhjem.—Leather.	652	70	Salicath, Oscar, Christiania.—Drops and punch.	662	
43	Meyer, Samuel B., Bergen.—Leather.	652	71	Anisdahl, R. O., Skien.—Drops and peppermint.	662	
44	Hallen, J. P., Christiania.—Leather.	652	Machines, Implements, and Processes of Manufacture.			
45	Fossen's Tannery, Flekkefjord.—Leather.	652	72	Cathrineholm's Foundry, Fredrickshald.—Agricultural implements.	670	
46	Dalen's Tannery, Flekkefjord.—Leather.	652	73	Rosing, Ulrik, Christiania.—Mask for killing cattle.	674	
47	Thorne, Chr. Aug., Moss.—Anchovies.	652	Agricultural Engineering and Administration.			
48	Haar & Wesnaes, Stavanger.—Preserved meats, etc.	656	74	Norwegian Fish Guano Company, Christiania.—Fish guano.	681	
49	Helgesen, H. A., Aalesund.—Preserved meats, etc.	656	75	Bordewich & Co., Lyngvær.—Fish guano.	681	
50	Stavanger Preserving Company, Stavanger.—Preserved meats, beef, fowls, fish, milk, cream, etc.	656	76	Foyn, Sven., Tonsberg.—Fish guano.	681	
51	Dons, Henrik, Christiania.—Preserved meats, game, poultry, soups.	656	77	Holst, Chr., Ladegaardsøen, Christiania.—Norwegian artificial manure.	681	

ITALY.

Fruits, Agricultural, Animal, Vegetable Products.

Arboriculture and Forest Products.

1 Favare, Marquis Della, Palermo.— Sumac leaves.	602
2 Romano, Gaetano, Palermo.—Su- mac.	602
3 Cernigliano, Vizzi Carmelo, Trapani. —Sumac leaves.	602
4 Castorina & Parlato, Catania.—Su- mac.	602
5 Scala, Baron Sciacca della, Palermo. —Sumac.	602
6 Aula, Domenico, & Co., Trapani.— Sumac.	602
7 Special Committee of Salerno, Sa- lerno.—Manna.	603
8 Chamber of Commerce and Arts, of Bari.—Sweet almonds, mustard seed.	605
9 Parlato, Luigi, Syracuse, Sicily.— Almonds.	605
10 Niceforo, Nicola, Catania.—Hazel nuts.	605
11 Elia, Antonino, & Sons, Catania.— Pistachio almonds, flax seed, hazel nuts, mustard seed.	605
12 Agricultural Committee of Palermo. —Collection of seeds.	605
13 Mazzullo, Cav. Luigi, Messina.— Dried nuts.	605
14 Council of Polizzi, Generosa, Paler- mo.—Avellane nuts.	605

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15 Rossi, Cav. Cesard Leopardi, Comi- so, Syracuse.—Olives.	611
16 Crispo, Monceada Carlo, Catania.— Lemons, oranges.	611
17 Chamber of Commerce and Arts, of Bari.—Olives.	611
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20 Agrarian Colony of S. Martino, Pa- lermo.—Grains.	620
21 Grande Latino, Baron Corrado, & Bros., Avola, Palermo.—Grain prod- ucts.	620
22 Porcari, Baron Angiolo, Palermo.— Grain products.	620
23 Fornaja, Vincenzo, Cologna Veneta, Verona.—Various cereals.	620
24 Ferrarini Bros. & Co., Formigine, Modena.—Rice.	620
25 Malinverni, Secondo, Vercelli, No- vara.—Rice.	620
26 Scocchiolini, Adone, Rome.—Mus- tard.	623

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28 Stiassi, Filippo, Bologna.—Eels.	642

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30 Guscati, E., Milan.	
a Parmesan and Gorgonzola cheese.	651
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31 Baldini, Agostino, & Co., Pescia, Lucca.—Sole leather.	652
32 Aste, D. Stefano, Public Slaughter House, Florence.—Albumen.	652
33 Casarino, Mariellus, St. Gottard, Genoa.—Leather.	652
34 Fornari, Antonio J. Batta, Fabriano, Ancona.—Leather.	652
35 Mercurelli, Pietro, Fabriano, An- cona.—Sole and colored leather.	652
36 Baluffi, Nicola, & Co., Ancona.— Dressed hides, leather for saddlery.	652
37 Varale, Antonio, Biella, Turin.— Dressed hides.	652
38 Banfi, Giuseppe Flavio, Milan.— Glue.	652
39 Fibbi, Raffaele, Fabriano, Ancona. —Glue and size.	652
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41 Tramontani, D., Bologna.—Hon- ey.	654
42 Brolo, Duke Federigo Laucia di, Palermo.—Honey of orange flower.	654
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44 Morandi, Pietro, Milan.	
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49 Massardo, Nicolo, Sampierdarena, Genoa.—Preserves.	656
50 Figasner, Enrico, Milan.—Dried meat.	656

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AGENTS IN THE UNITED STATES:

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52	Contessini, Gerini & Co., Leghorn.—Candied fruits.	656	85	Tosi, Bellucci, Giacomo, Modena.—Preserves.	656
53	Curry, Giacomo, Leghorn.—Preserves.	656	86	Luca, de, Francesco, Termini, Palermo.—Paste for soup.	656
54	Bougleuse Bros. & Co., Leghorn.—Paste for soup.	656	87	Russo, Biagio, Termini, Palermo.—Paste for soup.	656
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56	Samoggia, Gaet. & Brothers, Bologna.—Bologna sausages and salted meats.	656	89	Bruno, Giuseppe, Palermo.—Preserves.	656
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59	Serrazanetti, Giovanni Anzola, Bologna.—Tomato sauce and preserved tomatoes.	656	92	Sciacca della Scala, Baron, Palermo.—Dried figs.	656
60	Nenzioni Brothers, Bologna.—Preserved tomatoes.	656	93	Guli, Salvatore, Cav., Palermo.—Candied fruits.	656
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62	Grillini, Nanni & Co., Bologna.—Sausages and salted meats.	656	95	Palazzo, Duke del, Catania.—Paste for soup.	656
63	Zanetti, Guido, Bologna.—Sausages and salted meats.	656	96	Amato Brothers, Catania.—Candied fruits.	656
64	Bordoni, Natale & Co., Bologna.—Sausages and salted meats.	656	97	Caliri, Salvatore, Messina.	
65	Bassi, Medando, & Ugo Brothers, Bologna.—Sausages and salted meats.	656	a	Candied fruits.	656
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68	Frigieri, Giuseppe, Modena.—Hams, bologna sausages, etc.	656	a	Dried fruits.	656
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77	Frosini, Edoardo, & Brother, Ponsana, Pisa.—Paste for soup.	656	a	Dried fruit.	656
78	Gentili, Ferdinando, Pontasserchio, Pisa.—Paste for soup.	656	b	Wine.	660
79	Carulli, David, Cremona.—Bologna and salted meats.	656	102	Agosti Brothers, Bagnoria, Rome.	
80	Castino, G. B., & E. Scotto, Turin.—Paste for soup.	656	a	Dried prunes.	656
81	Stiassi, Filippo, Bologna.—Mortadelle and other bologna sausages, eels:	656	b	Vermouth, wines, liquors.	660
82	Pinardi, Pietro, Gottolengo, Brescia.—Mustard and preserves.	656	103	Viscardi, Geremia, Bologna.	
83	Gardenghi, Enrico, Modena.—Sausages, meats, zamponi.	656	a	Preserved fruits.	656
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			108	Castiglioni, Domenico, Parma.—Wines.	660
			109	Calegari, Giuseppe, Piacenza.—Wines and liquors.	660
			110	Ghizzoni, Luigi, Piacenza.—Liquors.	660
			111	Clerici, Costantino, Milan.—Vermouth.	660
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			113	Italian Enological Committee, Turin.—Wines and vermouth.	660

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115 Torricelli, Andrea, Florence.—Various liquors.	660	150 Contarella, Franco, Baron, Catania.—Wine.	660
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120 Catanzaro, Giuseppe, Termini, Palermo.—Wines.	660	155 Grasso, Carmelo, Catania.—Liquors.	660
121 Florio, Ignazio, & Vincenzo, Palermo.—Marsala wines.	660	156 Carpanetti, Luciano, Bologna.—Liquors.	660
122 De Nava, Giuseppe di P., Reggio, Calabria.—Wines.	660	157 Paci, Cesare, Florence.—Wine.	660
123 Gabaldoni, Andrea Carlo, Varese Ligure, Sestri Levante.—Wines.	660	158 Liccioli, Filippo, Florence.—Wine.	660
124 Enological Society of Scandiano.—Wine.	660	159 Agrarian Committee for Thirty Exhibitors, Florence.—Wine.	660
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126 Enological Society of Savigliano.—Wine.	660	161 Salvo, Salvatore di, Giarre Moscali, Messina.—Wines.	660
127 Buton, G. & Co., Bologna.—Liquors.	660	162 Salvo, Salvatore de, Messina.—Wines.	660
128 Rossi, Leopardi Cav. Cesard, Comiso, Syracuse.—Wine.	660	163 Pasali, Gaetano, Fermo and Cottignano, Ascoli Piceno.—Liquors.	660
129 Maltese, Felice, Mayor of Vittorio Scoglitti, Sicily.—Wines.	660	164 Solinas, Arras Giuseppe, Sassari.—Wines.	660
130 Greco-Cassia, Cav. Luigi, Syracuse.—Wine.	660	165 Giacobini, Coriolano, Fano, Pesaro.—Liquors.	660
131 Vitale, Tommaso, Palermo.—Nespolo liquor.	660	166 Leno, de Coronei, Nicolo, S. Demeetro, Corone, Calabria Citra.—Wine.	660
132 Albiate, Edward, Duke, Palermo.—Casks of duca.	660	167 Agostini, Della Seta, Count Alfredo, Pisa.—Wine.	660
133 Zeni, Niccolo, Ferrara, Rosolio.—Cordial made from cocoa.	660	168 Lullato, G. Batta, Como.—Liquors.	660
134 Caretti Brothers, Rome.—Vermouth and liquors.	660	169 Bonei Cassuccini Ottavio, Sienna.—Wine.	660
135 Strutt, Arthur I., Rome.—Wine.	660	170 Zigliani, Camillo, Bergamo.—Vinegar and essence of vinegar.	660
136 Bisco, Luigi & Co., Brescia.—Liquors.	660	171 Magnaghi, Girolamo, Alexandria.—Vermouth.	660
137 Tarussi, Luigi & Brothers, Leghorn.—Vermouth, wine.	660	172 Rossi, Vittorio, Asti, Alexandria.—Vermouth.	660
138 Vitieillo & Torrese, Torre del Greco, Naples.—Wines.	660	173 Berteau, Stefano, Alexandria.—Elixirs, wines, liquors.	660
139 Anselmi & Marassi, Naples.—Alcohol.	660	174 Borelli, Luigi, Asti, Alexandria.—Eau-de-vie.	660
140 Del Bono, Enrico, Syracuse.—Wine.	660	175 Metrger Brothers, Asti, Alexandria.—Beer.	660
141 Giordano, Gio. Batta, Vittorio, Sicily.—Wine.	660	176 Boschiero, Cav. Giovanni, Asti, Alexandria.—Wines.	660
142 Terranova Commillesi, G. B., Vittorio, Sicily.—Wine.	660	177 Mossone, Antonio, Andorne, Turin.—Liquors.	660
143 Maltese, Alessandrello, Vittorio, Sicily.—Wine.	660	178 Martini, Sola, & Co., Turin.—Vermouth.	660
144 Targia, Arezzo della, Syracuse.—Liquors, curacao.	660	179 Genta, Giovanni, Turin.—Vermouth.	660
145 Mezio, Calcedonio, Syracuse.—Wine.	660	180 Poglione, widow, & Sons, Brà, Cuneo.—Wine.	660
146 Scuderi, Giuseppe, Catania.—Wine.	660	181 Cavallone, Giovanni, Crescentino, Novara.—Vermouth.	660
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186 Palmieri, Benedetto of Gius., Salerno.—Wine.	660	222 Brenna, Santo, Como.—Liquors.	660
187 Lanzara, Raffaello, Salerno.—Wine.	660	223 Nistri, Ferdinando, Florence.—Liquors.	660
188 Murino, Nicola, Salerno.—Wine.	660	224 Mostardini, Adolfo, Florence.—Liquors.	660
189 Agnini, Tommaso, Finale, Emilia.—Liquors.	660	225 Cita, Francesco, & Co., Naples.—Liquors.	660
190 Bellosi, Gio. Battista, Scandiano, Emilia.—Liquors.	660	226 Marini, Ambrogio, Milan.—Liquors.	660
191 Musi, Luigi, Bologna.—Liquors.	660	227 Scala, Giuseppe, Naples.—Wines.	660
192 Savorini, Francesco, S. John Pasiato, Bologna.—Liquors.	660	228 Galloni, Luigi, Rome.—Wines.	660
193 Ronzani, Camillo, Bologna.—Beer.	660	229 Evoli, Ma. Giovanni, Rome.—Liquor.	660
194 Tucci, Savo Benedetto, Rome.—Wine.	660	230 Scala Pasquale, Naples.—Wine	660
195 Jacobini Brothers, Rome.—Wine.	660	231 Francica Brothers, Naples.—Wine.	660
196 Rospigliosi, Clemente, Prince, Rome.—Wine.	660	232 Barra, Luigi, Naples.—Wine.	660
197 Stella, Cav. Musio, Syracuse.—Wine.	660	233 Patalano, Orazio, Ischia Island, Naples.—Wine.	660
198 Reggio, Arangio Francesco, Augusta, Sicily.—Liquors.	660	234 Masetti, Piero Pompeo, Count, Florence.—Wine.	660
199 Salibra, Antonino, Syracuse.—Wine and liquors.	660	235 Siccoli, Guido, Florence.—Wine.	660
200 Bonanno, Michele, Baron, Syracuse.—Wine.	660	236 Fantozzi, Cesare, Foligno, Umbria.—Liquors.	660
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207 Piombino, Prince of, Foligno, Umbria.—Wine.	660	241 Cerri, Luigi, Cremona.—Torrone with almonds.	661
208 Farinola, M. Paolo, Florence.—Wine.	660	242 Pirrone, Antonino, Messina.—Sea biscuits.	661
209 Albergotti, Geo. & Agostino Bros., Arezzo.—Wine.	660	243 Andronico, Giuseppe, Nice, Messina.—Biscuits and paste for sea.	661
210 Uffredugi, Giacomo, Perugia, Umbria.—Wine.	660	244 Loreti, Gioacchimo, Rome.—Candy, cakes, and chocolate.	661
211 Rospigliosi, Clemente, Prince, Lampovecchio, Florence.—Wine.	660	245 Moriondo & Gariglio, Turin.—Chocolate and confectionery.	661
212 Galimberti, Giuseppe, Milan.—Liquors and vermouth.	660	246 Pagni, Faustino, & Co., Pontedera, Pisa.—Biscuits, English style.	661
213 Marini & Poggi, Milan.—Liquors, stomachic and febrifuge elixirs.	660	Textile Substances of Vegetable or Animal Origin.	
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215 Isolatelli & Co., Milan.—Vermouth and liquors.	660	Machines, Implements, and Processes of Manufacture.	
216 Cordini, Gaetano, & Brivio, Busto Arsizio, Milan.—Vermouth and liquors.	660	248 Cagliesi, Raffaele, Ancona.—Plow.	670
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252	Rossi, Ercole, Parma.—Plow.	670
253	Calzoni, Alessandro, Bologna.—Agricultural machine.	670
254	Gattola, Nicola, Bari.—Plow.	670
255	Biggi, Giovanni & Co., Piacenza.—Hand reaping machine.	672
256	Uliengo, Giovanni, Biella, Novara.—Butter machine.	675

Agricultural Engineering and Administration.

257	Filopanti, Quirico, Bologna.—Plan of General Garibaldi's system of irrigation relating to the River Tiber.	630
258	Tramontani, D., Bologna.—Bee hive.	683

Collective Exhibit.

259	Special Committee of Messina.—Samples of Sicilian products for exportation.
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BRAZIL.

Forest and Agricultural Products.

Arboriculture and Forest Products.

1	Leao, Hermelino de.—Coal obtained from pine heart.	600
2	Muricy, Dr.—Pine heart.	600
3	Aranjo & Silva.—Samples of woods.	600
4	Juparana, Baron de.—Samples of woods.	600
5	Faria, Louza.—Samples of woods.	600
6	Villa-Franca, Baron de.—Samples of woods.	600
7	Provincial Commission of S. Paulo.—Samples of woods.	600
8	Caalcanti.—Samples of woods from Alagoas.	600
9	Province of Rio de Janeiro.—Samples of woods.	600
10	Castro, Borja.—Samples of woods used at the custom-house dock works, Rio de Janeiro.	600
11	Penitentiary, Rio de Janeiro.—Showcases made of Brazilian woods.	600
12	Conceiro.—Samples of woods in mosaic.	600
13	Barbosa, F.—Samples of woods.	600
14	Aburicy, Dr.—Samples of woods from Parana.	600
15	Hermelino, Dr.—Samples of woods from Parana.	600
16	Province of Bahia.—Samples of woods and medicinal leaves.	600
17	Leite, Severino.—Ticus leaves.	600
18	Silva, Domingos.—Samples of woods from Macahé.	600
19	Province of Parana.—Lumber and timber.	600
20	Bueno, Pimenta.—Samples of woods from Para.	600
21	Rocha, Ignacio da.—Pine lumber from Parana.	600
22	Province of Goyaz. a Paparo or paper tree and samples of wood.	600
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23	Perdigao.—Resins.	603
24	Province of Para. a Resins. b Nuts.	603
25	Province of St. Catharina. a Samples of woods. b Resins.	603
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27	Province of Alagoas. a Samples of woods. b Gums and resins.	603
28	Province of Ceara.—Resins and caoutchouc.	603
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30	Province of Pernambuco.—Gums.	603
31	Province of Rio-Grande-do-Norte.—Wax-dust, resins, and gum.	603
32	Province of Minas-Geraes.—Resins.	603
33	Aranjo, Castro.—Wax on the branch.	603
34	Sarafana, Felix.—Wax on the branch.	603

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36	Martins, Ant.—Barley.	620
37	Schamalake.—Barley.	620
38	Richter, Frederico.—Cereals.	620
39	Leao, Hermelino de. a Rye, wheat, oats, linseed, and maize. b Beans.	620
40	N—. N—. a Maize on the cob; carnauba straw. b Tea from S. Paulo; coffee from Bahia.	623
41	Province of Parana. a Wheat and rye. b Medicinal plants. c Manioc tubers. d Mate, a substitute for tea; coffee, tobacco, cigarettes.	629
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Agricultural Products.

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	<i>a</i> Medicinal plants.	621	85	Amaral, Thereza do.—Coffee from Campinas.	623
	<i>b</i> Bacury seeds.	624	86	Amaral, Francisco do.—Coffee from Campinas.	623
43	Province of Ceara.—Medicinal plants.	621	87	Nogueira, Ramos.—Coffee from S. Paulo.	623
44	Province of Goyaz.	621	88	Gaviao, Bernardo.—Coffee from S. Paulo.	623
	<i>a</i> Medicinal plants.	621	89	Sonza, Paula.—Coffee from S. Paulo.	623
	<i>b</i> Tobacco.	623	90	Barros, Raphael de.—Coffee from S. Paulo.	623
45	Muricy & Leao.—Beans.	621	91	C—, A. M.—Coffee from Iguape.	623
46	Leao, Herculano de.—Beans.	621	92	Jordao, Silverio.—Coffee.	623
47	Province of Para.	620	93	Araraquara, Baron de.—Coffee.	623
	<i>a</i> Barley.	620	94	Favares, Pinto.—Coffee.	623
	<i>b</i> Cocoa.	623	95	Sonza-Gueiroz, Baron de.—Coffee from S. Paulo.	623
48	Province of Alagoas.	621	96	Commission for the Province of St. Catharina.—Coffee.	623
	<i>a</i> Medicinal plants.	621	97	Santos, Cornelio dos.—Coffees.	623
	<i>b</i> Vanilla and other seeds.	624	98	Prados, Viscount de.—Coffee from Minas-Geraes.	623
49	Province of S. Paulo.—Medicinal roots.	622	99	Assiz, Ferreira d'.—Coffee from Minas-Geraes.	623
50	Aranjo, Rodrigues de.—Medicinal plants.	622	100	Ribeiro, Silva.—Coffee from Minas-Geraes.	623
51	Moura, Ferreira de.—Potatoes.	622	101	Alves, Assiz.—Coffee from Minas-Geraes.	623
52	Dr. Muricy.—Sweet flag.	622	102	Freire, Manuel.—Coffee from S. Paulo.	623
53	Constanca, Maria, & Sons.—Coffee and cocoa.	623	103	Caroalho, Zacharias de.—Coffee from Sergipe.	623
54	Correa, Pereira.—Maté, a substitute for tea.	623	104	Freire & Bros.—Coffee.	623
55	Luz, Ferreira de.—Maté, a substitute for tea.	623	105	Breve, Sonza.—Coffee.	623
56	Camargos, Baron de.—Tea.	623	106	Jaguary, Visconde de.—Coffees.	623
57	Province of Sancta Catharina.—Coffee.	623	107	Rocha-Ferreira, D. da.—Tobacco.	623
58	Guimaraes, Ant.—Coffee from Guara.	623	108	Parana, D. V.—Tobacco.	623
59	Friburgo & Sons.—Coffee.	623	109	Commission for the Province of Maranhao.—Tobacco.	623
60	Nobrega, J.—Coffee from Boa Esperanca.	623	110	The Colony of Blumeneau.—Tobacco and cigars.	623
61	Munhos, Caetano.—Maté, a substitute for tea.	623	111	The Colony of Itajahy.—Twisted tobacco and mate.	623
62	Ayrosa, M. A.—Coffee.	623	112	Figueredo, Pinto de.—Twisted tobacco.	623
63	Rocha-Leao, M. da.—Coffee.	623	113	Province of Amazonas.—Twisted tobacco.	623
64	Costa-Pereira, A. B. da.—Coffee from Piedade.	623	114	Veiga.—Tobacco from Rio de Janeiro.	623
65	Gama, P. N. Nogueira da.—Coffee from Concordia.	623	115	Province of Para.—Tobacco.	623
66	Juparana, Baron de.—Coffee from Sta. Monica.	623	116	Oliveira, Coelho d'.—Tobacco from Minas-Geraes.	623
67	Rio-Novo, Viscountess of.—Coffee from Uniao.	623	117	Province of Matto Grosso.—Tobacco and cigars.	623
68	Pripod, Silvino.—Coffee.	623	118	Province of Rio-Grande-do-Sul.—Tobacco in leaf, and mate dust.	623
69	Jardieu, Gomes de.—Coffee.	623	119	Pinto & Bro.—Tobacco in leaf.	623
70	Bella-Vista, Baron de.—Coffee.	623	120	Testa, Umbellino.—Tobacco from Bahia.	623
71	Machado, Marcondes.—Coffee.	623	121	Sonza, Vasconcellos de.—Tobacco from Bahia.	623
72	Province of Maranhao.—Coffee.	623	122	Viotti.—Cigarettes.	623
73	Vieira, Ant.—Coffee.	623	123	Paulo Cardeiro, J.—Snuff.	623
74	Magalhaes, Almeida.—Coffee.	623			
75	Barros, Peixeira da.—Coffee.	623			
76	Lima, Freitas.—Coffee.	623			
77	Jordao, Miranda.—Coffee.	623			
78	Costa, Maria da.—Coffee.	623			
79	Camargo, Pompé de.—Coffee from Campinas.	623			
80	Nogueira, Almeida.—Coffee from Campinas.	623			
81	Jordao, R.—Coffee.	623			
82	Vergueiro & Co.—Coffee.	623			
83	Barros, Sonza.—Coffee from S. Paulo.	623			

Agricultural, Animal, Vegetable Products.

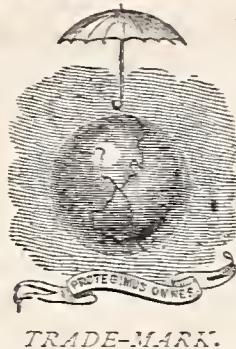
124 Province of Ceara.—Snuff.	623	153 Santos & Ferreira.—Preserved vegetables, marmalade, and fruit-butter.	656
125 Rocha, Correa da.—Snuff.	623	154 Province of Maranhao.	
126 Novaes, Sonza.—Cigarettes.	623	a Rice.	656
127 Province of Bahia.—Cigars.	623	b Vegetable oils.	662
128 Aguer, Luiz.—Maté, a substitute for tea.	623	155 Province of Pernambuco.	
129 Aguer, Lino.—Maté, a substitute for tea.	623	a Dried fruits.	656
130 Martino, Luiz.—Tea.	623	b Manioc and arrow-root flour.	657
131 Rodovalho, P.—Maté, a substitute for tea, from S. Paulo.	623	c Sugar.	659
132 Flumineuse Agriculture Institute.—Tea made from coffee-leaves.	623	d Aguardente from sugar-cane.	660
133 Central Exportation Co.—Maté, a substitute for tea.	623	e Cocoa oil.	662
134 Jaguary, Viscount of.—Seeds of palma christi tree.	624	156 Tamancao Factory.—Crushed rice.	657
Water Animals, Fish Culture, and Apparatus.			
135 Province of Parana.—Isinglass.	646	157 Schuemelpfung, A.—Rye flour.	657
Animal and Vegetable Products.			
136 Province of Matto-Grosso.		158 Demincourt.—Arrowroot flour.	657
a Quinine.	650	159 Alvarenga, Dr.	
b Hides and furs.	652	a Flour.	657
137 Agricultural Institute		b Tapioca.	658
a Sage.	650	160 Leao, Herculano de.—Rice.	657
b Flour.	657	161 Murucy, Dr.—Maize and rye-flour.	657
c Arrowroot.	658	162 Directory Board of the Colony of Angelina.—Corn-flour from the colony.	657
138 Province of Allagoas.		163 Silva, Carneiro da.—Manioc-flour.	657
a Indigo-plant and vegetable dyes; caroba, quinine, etc.	650	164 Tripidi, Silvino.—Rice.	657
b Hides and furs.	652	165 Cardeiro, jr.—Rice on the branch.	657
c Vegetable milk.	656	166 Tarranbae, J.—Arrowroot flour.	657
139 Province of S. Paulo.		167 Carvalho, Lima.—Manioc and orris-root flour.	657
a Camomile.	650	168 Province of Sancta Catharina.—Flour, rice, and arrowroot flour.	657
b Hides and leather.	652	169 Guimaraes, Antonio.	
c Liquors, aguardente, etc.	660	a Rice.	657
d Chocolate.	661	b Aguardente from sugar-cane, orange, etc.	660
140 Perueta.—Stag-horns.	652	170 N — N —.	
141 Colony of Blumeneau.—Various products.	652	a Rice.	657
142 Province of Amazonas.—Hides and furs.	652	b Farinas.	658
143 Province of Goyaz.—Hides, furs, and leather.	652	c Vinegar.	660
144 Province of Ceara.		171 Pirapitenga, Baron de.—Tapioca and orris-root.	658
a Hides and furs.	652	172 Constanca, Maria, & Filkos.—Tapioca and orris-root.	658
b Jurubeba.	660	173 Pinheiro, Thomaz.—Sugar.	659
c Confectionery.	661	174 Carvalho & Oliveira.—Syrup of ipecac.	659
145 Province of Rio Grande do Sul.		175 Diaz, Isidoro.—Sugar and syrup.	659
a Leather.	652	176 Mana, Vicount de.—Refined sugar.	659
b Preserved tongue and beef.	656	177 Dezincourt.—Crystallized sugar.	659
146 Province of Rio Grande do Norte.		178 Barros, Bernardino de.—Brown and white sugar.	659
a Oil and tallow.	652	179 Barros, Fernandes de.—Sugar.	659
b Powdered honey-wax.	654	180 Costa & Co.—Refined sugar.	659
147 Province of Parana.		181 Costa, Ribeiro de.—Sugar.	659
a Hides, furs, and ox-horns	652	182 Souza, Alves de.—Sugar.	659
b Wax.	654	183 Vianna, Paula.—Sugar.	659
c Manioc flour and fecula.	657	184 Boa-Viagem, Baron de.—Sugar.	659
d Aguardente from sugar-cane, and liquor from maté herb and quince.	660	185 Wanderley, Barros.—Sugar.	659
148 Long & Co.—Wax.	654	186 Villa-Franca, Baron de.—Sugar.	659
149 Silva, Leal, & Santos.—Preserves.	656	187 Leao, Souza.—Sugar.	659
150 Guttier & Wagner.—Preserved fruits.	656	188 Virgens, Bernardo da.—Sugar.	659
151 Ubatuba, Dr.—Extract of mint.	656	189 Bastos, Rodriguez.—Sugar.	659
152 Province of Para.—Preserved meats.	656		

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W. A. DROWN & CO.

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AND
PARASOLS.

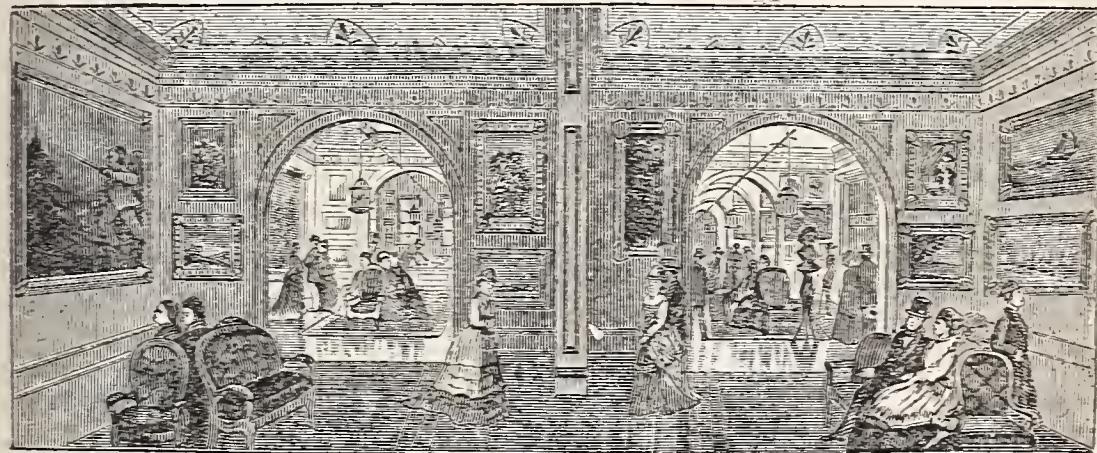
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THE

THE American Newspaper Union.

A. J. AIKENS, President.

New York Newspaper Union,	148 and 150 Worth St., New York.	315 Newspapers,	\$3.00 per line, per week.				
Chicago Newspaper Union,			350	"	\$3.50	"	"
Milwaukee Newspaper Union,	365 East Water St., Milwaukee.	120	"	\$1.25	"	"	"
Aikens Newspaper Union,			200	"	\$2.00	"	"
Southern Newspaper Union,	227 Second St., Memphis, Tenn.	145	"	\$1.50	"	"	"
St. Paul Newspaper Union,			73	"	\$.75	"	"

THE ORIGIN OF CO-OPERATIVE NEWSPAPER ADVERTISING.

Co-operative newspaper printing, as now practised, originated in Wisconsin twelve years ago. It is termed *co-operative* for the reason that one side of each of the newspapers is printed at a central office, and the paper sent in its half-printed state to the home office, where it is completed with editorials, local news, and other matter prepared by the editor or publisher. In December, 1846, the idea of co-operation, *with advertisements*, occurred to Mr. Aikens, while yet serving his time as an apprentice, in printing the message of President Polk on one side of a country newspaper of New England at Boston, and the other half being printed at the local office.

Mr. A. J. Aikens, a practical printer and business man, conceived the idea of reducing the cost of ready-printed paper, as it is now termed, to country publishers, by making an agreement with them to use a certain space in each of their papers for advertisements that he might procure. This plan of co-operation he put into practice twelve years ago, at the office of Cramer, Aikens & Cramer, Milwaukee. It at once became successful, leading to the establishment of co-operative newspaper printing-offices in Chicago, New York, St. Louis, Cincinnati, Memphis, St. Paul, and other places. There are now over two thousand newspapers printed upon the co-operative plan in the United States and Canadas, and the number is constantly increasing, it having more than doubled in the last five years. The enterprise is no longer an experiment, but an established success, and the system is one yielding manifold advantages to advertisers as well as to local publishers.

The American Newspaper Union

Is essentially national. The papers represented in it are located in all the States of the Union and in nearly five hundred county seats. They circulate over the whole area of the country from Maine to Colorado, distributing at least *one hundred copies every year to each square mile of the settled portions of the United States.*

Although, as a whole, the Union List is national, covering all sections, it is so made up of different members as to be susceptible of easy division into sections—East, Middle, West, South. The distribution of the papers is as follows:

New England	78	Illinois	117	Nebraska	15
New York	101	Michigan	86	Missouri	17
New Jersey	27	Wisconsin	98	Georgia	10
Pennsylvania	65	Tennessee	29	Alabama	52
Virginia	24	Kentucky	29	Louisiana	11
No. and So. Carolina . .	24	Minnesota	79	Mississippi	29
Ohio	122	Iowa	85	Other States	46
Indiana	81				

AGGREGATE CIRCULATION.

The circulation of these papers is large and constantly increasing. It is larger than the circulation of any other lists or combinations of country papers in the United States—the last aggregate weekly circulation being *seven hundred thousand seven hundred and thirty copies* (700,730).

SEND TO EITHER OFFICE FOR A CIRCULAR.

Vegetable and Animal Products, Machines.

190 Braga & Co.	
a Syrups.	
b Liquors; aguardente, cognac, etc.	659
191 Province of Bahia.	
a Refined sugar.	659
b Chocolate of musgo.	661
192 Barroso, Paula.	
a Sugar.	659
b Aguardente from sugar-cane.	660
193 Castro, Ribiero de.	
a Sugar.	659
b Brandy from sugar-cane.	660
194 Aranjo, Ignacio de.—Liquors.	660
195 Oliveira, Roiz de.—Liquors.	660
196 Carvalho, Leitao de.—Larangiuha and gin.	660
197 Faleas, Piris.—Aguardente.	660
198 Raposo, Amaral.—Wines and liquors.	660
199 Pinto, Oliveira.—Aguardente from sugar-cane and caju wine.	660
200 Azcoedo, Pereira de.—Aguardente.	660
201 Carvalho, M. de.—Gin.	660
202 Jeremoabo, T.—Aguardente from honey.	660
203 Schulmann & Co.—Wine and vinegar from sugar-cane.	660
204 Pimenta, Mattos.—Hesperidina-Yaguarembó.	660
205 Oliveira, C.—Wine and aguardente from sugar-cane; vinegar, from pineapple.	660
206 Frey, Otto.—Liquors.	660
207 Vasconcellos, P. de.—Orange wine.	660
208 Cattermolle, Erdman.—Wines and liquors.	660
209 Alves & Co.—Liquors.	660
210 Barroso, Carvallo.—Alcohol.	660
211 Silveira, N.—Aguardente.	660
212 Pinheiro, Thomaz.—Larangiuha.	660
213 Caipora, Guimaraes.—Larangiuha.	660
214 Bella-Vista, Baron, de.—Aguardente.	660
215 Province of Para.—Guarana.	660
216 Pereira, Estevao.—Larangiuha, aguardente from sugar-cane.	660
217 Itabapoana, Baron de.—Larangiuha.	660
218 Silva, Carneiro da—Larangiuha.	660
219 Rebello, Silva.—Liquor from coffee and other plants.	660
220 Mamede.—Caju wine for medicinal purposes.	660
221 Macedo, J. de.—Liquors.	660
222 Le Page.—Wines and Vinegar.	660
223 Viotte.—Peach liquor.	660
224 Viarma, Oliveira.—Aguardente.	660
225 Biagem, Boa, Baron da.—Aguardente.	660
226 Sardinha.—Wine.	660
227 Pinho, Franciscode.—Chocolate.	661
228 Leao, Herculino de.—Farina biscuit.	661
229 Perdigas.—Vegetable oils.	662

Textile Substances of Vegetable or Animal Origin.

230 Mello, Carneiro de.—Brown cotton.	665
231 Hayr.—Cotton.	665
232 Moreira, Collares.—Cotton from Maranhao.	665
233 Province of Ceara.—Cotton.	665
234 Province of Matto Grosso.—Guinea cotton.	665
235 Province of Paralsyba.—Cotton.	665
236 Province of Rio Grande do Norte.—Cotton.	665
237 C—, J. T. A.—Cotton from S. Paulo.	665
238 Barros, Souza.—Cotton from S. Paulo.	665
239 Malasky.—Cotton from Soracaba.	665
240 B—, A. A.—Cotton from S. Paulo.	665
241 A—, J. C.—Cotton from S. Paulo.	665
242 Province of Alagoas.—Vegetable wool.	665
243 Province of Pernambuco.	
a Russian cotton.	665
b Tow.	666
c Bristles.	669
244 Province of Parana.	
a Cotton.	665
b Flax.	666
c Wool.	667
d Animal hair.	669
245 Steele, J.—Jute.	666
246 Leite, Severino.—Vegetable hair.	666
247 Lang & Co.—Hemp and flax.	666
248 Province of Para.—Jute.	666
249 Province of Bahia.—Vegetable hair.	666
250 Province of S. Paulo.—Paina.	666
251 Villa-Franca, Baron de.—Paina.	666
252 Agricultural Institute.—Wool.	667
253 Moreira, Nicolai.—Silk-worms.	663
254 Reis, Luciano.—Silk in the cocoon and reeled.	663
255 Resende, Luiz de.—Silk-worms, cocoons, reeled silk, and apparatus for reeling silk.	668

Machines, Implements, and Processes of Manufacture.

256 Biernemback & Irmaos.—Plows.	670
257 Autumes, J. A.—Machine for preparing coffee.	674
258 Duos, T.—Filter for sugar distillation.	674

Agricultural Engineering and Administration.

259 Province of Amazonas.—Guano.	681
260 Muricy & Leao.—Guano.	681

(For other exhibits in this department see "Main Building.")

ARGENTINE REPUBLIC.

Arboriculture and Forest Products.

Arboriculture and Forest Products.

1	Commission of the Chaco Argentine Territory.	
a	Collection of natural and polished woods.	600
b	Indigo plant and curupai bark.	602
2	Gallegos, Miguel, Chaco Argentine Territory.—A cane; samples of wood.	600
3	Aguilar, Francisco D., Province of San Juan.—Flowers made from carob tree wood; chica wood; collection of woods to be presented to the National Department of Agriculture.	600
4	Langan, Juan, Province of San Juan.—Collection of woods.	600
5	Provincial Commission, Province of Santa Fé.	
a	Collection of woods, polished lignum-vitæ.	600
b	Laurel bark and tanning materials.	602
6	Echevarria, Cecilio, Province of Santa Fé.	
a	Collection of woods; polished samples.	600
b	Dyes.	602
7	Provincial Commission, Province of Cordoba.	
a	Collection of woods; polished samples.	600
b	White carob tree and molle seed.	605
8	Correjo, Juan, Province of Salta.	
a	Cherimoya seed.	600
b	Palo Santo resin.	603
9	Fleming, Miguel, Province of Salta.—Tipa and tarco seed.	600
10	Provisional Commission, Province of Salta.	
a	Collection of seeds and woods.	600
b	Dyeing and tanning materials.	602
11	Billar, Salvador, Province of Jujui.	
a	Collection of woods.	600
b	Socondo and pastilla bark.	602
c	Palm, lignum-vitæ, quina-quina and pacara seeds, etc.	635
12	Provincial Commission, Province of Catamarca.	
a	Collection of logs.	600
b	Dyeing and tanning materials.	602
c	Visco and lignumvitæ seeds.	605
13	Provincial Commission, Province of La Rioja.	
a	Collection of woods.	600
b	Tar, carob resin, and Lata incense.	603
c	Yareta plant, containing much resin.	604
d	Collection of seeds.	605
14	Cecenarro, Vicente, Province of Catamarca.—Viscote wood.	600
15	Quevedo, Samuel Lafone, Province of Catamarca.—Black carob wood.	600
16	Andalgala Commission, Province of Catamarca.	
a	Cactus.	600
b	Dyeing and tanning products.	602

17	Provincial Commission, Province of Tucuman.	
a	Samples of wood in logs, partly polished.	600
b	Cebil bark for tanning, Socendo.	602
18	Provincial Commission, Province of Mendoza.	
a	Samples of wood in logs.	600
b	Chanar bark for cleaning cloth and Retortuno for tanning.	602
c	Gums and resins.	603
19	Videla, Victor, Province of San Luis.—Collection of woods; polished samples.	600
20	Provincial Commission, Province of Corrientes.	
a	Collection of polished and unpolished woods.	600
b	Bark of back laurel and curupay tree, used for tanning, etc.	602
c	Peanuts, and creeping plant called curuhay guazu.	605
21	Roibon, Enrique, Province of Corrientes.—Caaroba wood.	600
22	Resvagli, Luis, Province of Corrientes.—Collection of woods; boxes.	600
23	Bella Vista Sub-Commission, Province of Corrientes.	
a	Collection of woods.	603
b	Orange seed, chichita, suspiros, peanuts.	605
24	Ferré, Vicente, Province of Corrientes.—Sticks of different woods.	603
25	National Department of Agriculture, Province of Corrientes.—Samples of Urunday wood.	600
26	Justice of the Peace of Ensenada, Province of Buenos Ayres.—Collection of woods.	600
27	Valdes, Emiliano, & Cipriano, Province of Buenos Ayres.	
a	Collection of curromamuel and other woods.	600
b	Mushrooms grown on willow bark.	604
28	Agricultural School of Santa Catalina, Province of Buenos Ayres.—Beehives made of black acacia.	600
29	Roibon, Federico, Province of Corrientes.—Pictures of trees in water-colors.	600
30	Boero, José, and Poletti, Antonio, Province of Buenos Ayres.—A rack made of twenty-five kinds of wood.	600
31	Iniguez, Manuel, Province of Buenos Ayres.—Specimens of woods.	600
32	Provincial Commission, Province of Santiago del Estero.	
a	Collection of woods in logs.	600
b	Collection of dyeing woods, etc.	602
33	Provincial Commission, Province of Entre-Ríos.—Samples of polished woods.	600

Forest and Agricultural Products.

34	Elola, P., Province of Entre-Rios.—Collection of woods.	600	60	Sub-commission of the Department of Diamante, Province of Entre-Rios.—Cochineal, carob-bark, and other dyeing and tanning materials.	602
35	Berdue, Martin, Province of Entre-Rios.—Box made of different woods.	600	61	Soler, Ventura, Province of Entre-Rios.—Laurel and carob-bark and other dyeing and tanning materials.	602
36	Parana Commission, Province of Entre-Rios.		62	Rodriguez, Severo, Province of San Juan.	
<i>a</i>	Collection of woods.	600	<i>a</i>	Resins of chilca, etc.	603
<i>b</i>	Roots and barks; cochineal and dyeing materials.	602	<i>b</i>	Carob and myrrh seed.	605
<i>c</i>	Turpentine.	603	63	Balban, Nonasea, Province of Catamarca.—Carob-resin and black resin for dyeing.	603
37	Roman, José, Province of Entre-Rios.—Carob and mandubay wood.	600	64	Flores, Nicanor, Province of Salta.—Tar.	603
38	Garrigos, J. M., Province of Entre-Rios.—Collection of woods.	600	65	Sollá, Juan, Province of Salta.—Yareta, a resinous plant.	603
39	Gallino, J. A., Province of Entre-Rios.—Collection of woods.	600	66	Riso, Petrona, Province of Catamarca.—Cherimolia seed.	605
40	Echebeherre, Pedro, Province of Entre-Rios.—Collection of woods.	600	67	Machado, Ruben, Province of Catamarca.—Mistol and carob tree seed.	605
41	Fontes, Vicente and Neyra, Sisto, Province of Entre-Rios.—Collection of woods.	600	68	Ponce, Isidora, Province of Catamarca.—Molle seed.	605
42	Calderon, Pedro, Province of Entre-Rios.—Collection of woods.	600	69	Esparsa, José, Province of Catamarca.—Seed of acacia aroma, for dyeing and medicinal purposes.	605
43	Gonzalez, Meliton, Province of Entre-Rios.—Collection of woods.	600	70	Miranda, José, Province of Catamarca.—Acacia for feed and for hedges.	605
44	Goyri, Bernardo, Province of Entre-Rios.—Samples of different seeds.	600	71	Albarez, Francisco, Province of La Rioja.—Malingasta nuts.	605
45	Provincial Commission, Province of San Luis.		72	Larraona, Pedro, Province of La Rioja.—Malingasta nuts.	605
<i>a</i>	Dyeing and tanning products.	602	73	Chaves, Crisologo, Province of La Rioja.—Tusca seeds.	605
<i>b</i>	Gum and resin.	603	74	Peluffo, Vicente, & Co., Province of Buenos Ayres.—Collection of seeds.	605
46	Medina, Luis R., Province of Catamarca.—Cocoanut bark.	602			
47	Hurley, Tomas, Province of Catamarca.—Dyeing products.	602			
48	Sievert, Max, Province of Salta.				
<i>a</i>	Silk and wool dyed with the product of the lapacho tree; other dyeing products.	602			
<i>b</i>	Peat.	604			
49	Gonzalez, Joaquín, Province of La Rioja.				
<i>a</i>	Sacanza for dyeing.	602			
<i>b</i>	Guano, roots, etc.	603			
50	Wurffbain, Gustavo, Province of La Rioja.				
<i>a</i>	Roots for tanning and dyeing, cleansing substances replacing soap, jume for making soap.	602			
<i>b</i>	Cotton-seed.	605			
51	Gelos, Martin, Province of La Rioja.—Dyeing and tanning products.	602			
52	Fava, Carlos, Province of Corrientes.—Cochineal and indigo-plant.	602			
53	Lopez, Feliciano, Province of Corrientes.—Mbui plant, for dyeing silk and wool.	602			
54	Pujol, Elisa, Province of Corrientes.—Root of isypoyu, for dyeing; coloring-roots.	602			
55	Poisson, J. F., Province of Corrientes.—Urucu-seed, for dyeing.	602			
56	Ritsch, Felipe, Province of Mendoza.—Roots for dyeing.	602			
57	Ocampo & Acosta, Province of Cor-doba.—Bark, seed, and other products for tanning.	602			
58	Several Exhibitors, Province of San Juan.—Dyeing materials.	602			
59	Ubach de Colon, José, Province of Entre-Rios.—Sarsaparilla, carob-bark, and other tanning and dyeing products.	602			

Agricultural Products.

75	Imar Bros., Province of Buenos Ayres.—Wheat.	620
76	Unzué, Saturnino, Province of Buenos Ayres.—Wheat.	620
77	Grego, A., Province of Buenos Ayres.—Wheat.	620
78	Diaz, Eugenio, Province of Buenos Ayres.—Wheat.	620
79	Traverso, Juan, Province of Buenos Ayres.—Wheat.	620
80	Bruno, Domingo, Province of Buenos Ayres.—Wheat.	620
81	Alonso, Manuel, Province of Buenos Ayres.—Wheat.	620
82	Ibarra, Venero, Province of Buenos Ayres.—Wheat.	620
83	Provincial Commission, Province of Buenos Ayres.—Wheat.	620
84	Bertolate, G., Province of Buenos Ayres.—Wheat.	620
85	Buffa, Agustin, Province of Buenos Ayres.—Wheat.	620
86	Lanzon, N., Province of Buenos Ayres.—Wheat.	620
87	Malvichini, N., Province of Buenos Ayres.—Wheat.	620
88	Costa, Bartolo, Province of Buenos Ayres.—Wheat.	620
89	Justice of the Peace of Juarez, Province of Buenos Ayres.—Wheat.	620

Agricultural Products.

90	Justice of the Peace of Patagones, Province of Buenos Ayres.—Wheat, barley, and corn.	620
91	Guerrin, N., Province of Buenos Ayres.—Wheat.	620
92	Mildred, Juan, Province of Buenos Ayres.—Wheat and barley.	620
93	Justice of the Peace of Bahia Blanca, Province of Buenos Ayres.—Wheat, barley, and corn.	620
94	Burgos, R., Province of Buenos Ayres.—Wheat.	620
95	Acuña, Francisco, Province of Buenos Ayres.—Barley and corn.	620
96	Peluffo, Angel, Province of Buenos Ayres.—Barley.	620
97	Agricultural School of Santa Catalina, Province of Buenos Ayres.—Corn.	620
98	Arce, Invencio, Province of Buenos Ayres.—Corn.	620
99	Justice of the Peace of Zarate, Province of Buenos Ayres.—Corn.	620
100	Martinez, Hercules, Province of Buenos Ayres.—Corn.	620
101	Unzué, Saturnino, Province of Buenos Ayres.—Corn.	620
102	Valdez, Emiliano, Province of Buenos Ayres.—Corn.	620
103	Peluffo, Angel, Province of Buenos Ayres.—Lima beans.	620
104	Agricultural School of Santa Catalina, Province of Buenos Ayres.—Fresh beans: lentils.	620
105	Valdes, Emiliano & Cipriano, Province of Buenos Ayres. a Barley, sugar-cane, straw, etc.	620
	b Garlic.	621
106	Galarani, Carlos, Province of Buenos Ayres.—Flax, barley, corn, wheat, maize, Lima beans, and cattle-feed.	620
107	Government of the Province of San Juan.—Grasses, straw, maté herb, etc.	620
108	Rodriguez, Victor, Province of San Juan.—Junquille.	620
109	Sarmiento, Juan L., Province of San Juan.—Yellow and white corn; wheat.	620
110	Correa, Benidicto, Province of San Juan.—Corn.	620
111	Mazo, Julian, Province of San Juan. a White and red corn.	620
	b Lima beans.	621
112	Amafil, Benigno, Province of San Juan.—Yellow corn.	620
113	Frias, Salvador, Province of San Juan.—White corn, barley, wheat.	620
114	Vidal, Marco A., Province of San Juan.—Red corn.	620
115	Jones, Fabian, Province of San Juan.—Red corn; wheat.	620
116	Aguilar, Juan M., Province of San Juan.—Red corn; wheat.	620
117	Ruiz, Clemente, Province of San Juan. a Red corn, wheat.	620
	b Lucern seed and Lima beans.	624
118	Jofré, Roman, Province of San Juan.—Red corn.	620
119	Rufino, Geronimo P., Province of San Juan.—White corn.	620
120	Figueroa, Tomas, Province of San Juan.—White corn.	620
121	Ruiz, G., Province of San Juan.—White corn.	620
122	Balaguer, Tristan, Province of San Juan.—White and Oregon corn.	620
123	Rosa, Rosauro de la, Province of San Juan.—Corn, lucern seed.	620
124	Baca, Province of San Juan.—Corn, wheat.	620
125	Lloveras, Lisandro, Province of San Juan.—White corn.	620
126	Cordero, Pedro J., Province of San Juan.—White corn.	620
127	Castro, Pedro, Province of San Juan.—White corn flour.	620
128	Bates, Benjamin, Province of San Juan. a Wheat.	620
	b Canary seed.	624
129	Aubone, Daniel, Province of San Juan.—Lima beans.	620
130	Cordero, Pedro, Province of San Juan.—Peas.	620
131	Farias, José A., Province of San Juan.—Lima beans, peas, etc.	620
132	Rufino, Geronimo C., Province of San Juan.—Lima beans, peas.	620
133	Bodarata, Juan, Province of San Juan.—Barley.	620
134	Ramirez & Co., Province of San Juan. a Barley, white corn.	620
	b Lima beans, peas, etc.	621
135	Cordero, Pedro J., Province of San Juan.—Barley, lucern seed, wheat.	620
136	Vidal, Marco, Province of San Juan.—White wheat.	620
137	Day, Frederica, Province of San Juan.—Wheat.	620
138	Muñoz, Brancisco, Province of San Juan.—Wheat.	620
139	Ledesma Bros., Province of San Juan.—Wheat.	620
140	Provincial Commission, Province of Salta. a Corn, lucern seed, peanuts, barley, wheat, melons, sugar-cane, etc.	620
	b Tobacco.	623
	c Onion seed.	624
141	Fleming, Miguel, Province of Salta. a Wheat and corn.	620
	b Potatoes.	622
142	Toro, Ignacio, Province of Salta.—Wheat, barley, and lucern seed.	620
143	Gonzalez, Joaquin, Province of La Rioja.—Corn for flowers, and also for flour, wheat, lucern seed.	620
144	Davila, Guillermo, Province of La Rioja. a White corn, sugar corn, wheat.	620
	b Lima beans.	620
145	Larrohona, Pedro, Province of La Rioja. a Corn, wheat.	620
	b Lima beans.	621
146	Villafane, Nicolasa, Province of La Rioja. a Corn.	620
	b Lima beans.	621
147	Illañes, José Manuel, Province of La Rioja.—White corn, barley, wheat.	620

Agricultural Products.

148	Provincial Commission, Province of La Rioja.		174	Arrondo, Agustin, Province of Entre-Ríos.—Wheat.	620
<i>a</i>	Corn, wheat, barley.	620	<i>a</i>	Peanuts, corn, etc.	620
<i>b</i>	Lima beans.	621	<i>b</i>	Beans.	621
<i>c</i>	Onion seed.	624	<i>c</i>	Potatoes.	622
149	Gonzalez, Ventura, Province of La Rioja.—Wheat.	620	176	Gualeguaychu Sub-commission, Province of Entre-Ríos.—Wheat, corn, and beans.	620
150	Davila, Bonifacio, Province of La Rioja.—Lima beans.	620	177	Goyri, B., Province of Entre-Ríos.—Corn.	620
151	Bascuñan, Francisco, Province of La Rioja.—Lucern seed, Lima beans.	620	178	Balujera, Domingo, Province of Entre-Ríos.—Rice.	620
152	Alvarez, Francisco, Province of La Rioja.		179	Crespo, Manuel, Province of Entre-Ríos.—Paraná wheat.	620
<i>a</i>	Wheat in stalks.	620	180	Uruguay and Paraná Commission, Province of Entre-Ríos.—Collection of seeds and cereals.	620
<i>b</i>	Lima beans.	621	181	Meyer, Edmundo, Province of Santa Fé.—Wheat and barley.	620
153	Muro, Froilan, Province of Catamarca.		182	Ceretti, L., Province of Santa Fé.—Wheat.	620
<i>a</i>	Corn, cresenton.	620	183	Lubary, T., Province of Santa Fé.—Wheat.	620
<i>b</i>	Lima beans and peas.	621	184	Colonia San Carlos Sub-commission, Province of Santa Fé.—Barley.	620
154	Diaz, Ramon, Province of Catamarca.		185	Nickisch, Manuel, Province of Santa Fé.—Corn, Lima beans, etc.	621
<i>a</i>	Wheat.	620	186	Iturapse Co., Province of Santa Fé.—Wheat.	620
<i>b</i>	Lima beans.	621	187	Bergeré, Dr., Province of Santa Fé.—Peanuts.	620
155	Artasa, Santiago, Province of Catamarca.—Lima beans, Spanish peas, wheat.	620	188	Blanchaud, Miguel, Province of Santa Fé.—Peanuts, chic-pea, corn, and wheat.	620
56	Provincial Commission, Province of Catamarca.		189	Beken, Federico, Province of Santa Fé.—Wheat.	620
<i>a</i>	Corn, wheat, barley, lucern seed.	620	190	Senhling, German, Province of Santa Fé.—Corn.	620
<i>b</i>	Lima beans.	621	191	Fillier, N., Province of Santa Fé.—Wheat.	620
<i>c</i>	Indian pepper, tobacco, cigars, etc.	623	192	Carignano Bros., Province of Santa Fé.—Wheat.	620
157	Molina, José, Province of Catamarca.—Corn, wheat.	620	193	Vaivas, Carlos, Province of Santa Fé.—Wheat.	620
158	Vega, G., Province of Catamarca.—White corn, cresenton.	620	194	Provincial Commission, Province of Santa Fé.—Dry lucern, corn.	620
159	Artasa, Manuel, Province of Catamarca.—Corn, etc.	620	195	Frischi, Celestino, Province of Santa Fé.—Wheat.	620
160	Miranda, José A., Province of Catamarca.—White corn.	620	196	Arminchiardy, Juan, Province of Mendoza.—Wheat.	620
161	Sub-commission of the Department of Ancasti, Province of Catamarca.		197	Fourcade, Pedro, Province of Mendoza.—Wheat.	620
<i>a</i>	Corn.	620	198	De la Cruz Videla, Juan, Province of Mendoza.—Wheat.	620
<i>b</i>	Lima beans, etc.	621	199	Roman, Medardo, Province of Mendoza.	
162	Sub-commission of the District of Alto, Province of Catamarca.—White corn.	620	<i>a</i>	Wheat.	620
63	Alvarez, S., Province of Catamarca.—Seed-wheat.	620	<i>b</i>	Lima beans.	621
164	Ahamada, B., Province of Catamarca.—Wheat.	620	200	Sanchez, Modesto, Province of Mendoza.—White Lima beans, striped peas.	621
165	Riso, Ventura, Province of Catamarca.—Geneva wheat.	620	201	Provincial Commission, Province of Mendoza.—Corn.	620
166	Herrera, Miguel, Province of Catamarca.—Wheat.	620	202	Agricultural Villa of Mendoza, Province of Mendoza.	
167	Aguilar, Olegaria, Province of Catamarca.—Wheat.	620	<i>a</i>	Corn and wheat.	620
168	Tula, Nabor, Province of Catamarca.—Wheat, lucern seed.	620	<i>b</i>	Lima beans and peas.	621
169	Sub-commission of Belem, Province of Catamarca.				
<i>a</i>	Corn, wheat.	620			
<i>b</i>	Lima beans.	620			
170	Sub-commission of the Department of Pachin, Province of Catamarca.—Small corn, wheat, Geneva seed, white and yellow corn, Lima beans.	620			
171	Sub-commission of the Department of Santa Maria, Province of Catamarca.—Corn and wheat.	620			
172	Alric, Antonio, Province of San Luis.—Corn, wheat, and barley.	620			
173	Provincial Commission, Province of San Luis.—Corn and wheat, beans, barley, and cattle feed.	620			

Agricultural Products.

203 Provincial Commission, Province of Jujui.			
a Rice, corn, and wheat.	620		
b Indian pepper, tobacco.	623		
204 Provincial Commission, Province of Tucuman.			
a Corn, rice, wheat.	620		
b Sweet potatoes, etc.	622		
c Tobacco, cigars, etc.	623		
205 Commission of the Chaco Argentine Territory.			
a Corn, sugar-cane, espartillo grass.	620		
b Tapoyua, used as a food; mandioca, for making starch and chipa bread, etc.	622		
c Flowers made of saffron; tobacco.	623		
206 Harbor-master, Chaco Argentine Territory.—Sugar-cane plant.	620		
207 Ferré, Vicente, Province of Corrientes.—Sugar-canies.	620		
208 Commission of the Province of Corrientes.			
a Sugar-cane.	620		
b Mandioca.	622		
c Tobacco, maté herbs, etc.	623		
209 Bella Vista Sub-commission, Province of Corrientes.			
a Corn.	620		
b Popi from mandioca.	622		
210 Appleyard, Juan B., Province of Corrientes.			
a Rice.	620		
b Maté herbs.	623		
211 Provincial Commission, Province of Santiago del Estero.			
a Wheat.	620		
b Sweet potatoes.	622		
212 Micheiond, Miguel, Province of Santa Fé.—Peach sugar-cane.	620		
213 Provincial Commission, Province of Cordoba.			
a Wheat, mustard, and beans.	620		
b Sweet potatoes.	622		
c Cigars, pepper, tobacco, etc.	623		
214 Ferrando, Juan, Province of Entre-Ríos.—Lima beans.	621		
215 Escobar, Juan de Dios, Province of San Luis.—Lima beans.	621		
216 Pouyet, Miguel, Province of Mendoza.—Cabbage, beet-root, carrots, lettuce, beans, Lima beans, peas, corn, etc.	621		
217 Denner, Santiago, Province of Santa Fé.—Lima beans.	621		
218 Cordoba, Demetrio, Province of Catamarca.—Lima beans.	621		
219 Sans, N. Roca, Province of Mendoza.—Potatoes.	622		
220 Audielo, M., Province of Buenos Ayres.—Potatoes.	622		
221 Polá, Juan, Province of Salta.—Potatoes, red and sweet oca oxalis.	622		
222 Delgado, Daniel, Lamincha, Province of Catamarca.—Potatoes.	622		
223 Maxit, José, Province of Entre-Ríos.—Potatoes.	622		
224 Pfeiffer, Pedro, Province of Santa Fé.—Potatoes.	622		
225 Riso, Isidoro, Province of Catamarca.—Coffee.	623		
226 Bustamante, O., Province of Catamarca.—Tobacco for cigarettes.	623		
227 Barros, Sebastian, Province of Catamarca.—Cumin and anise.	623		
228 Augier, Uladislao, Province of Catamarca.—Cumin.	623		
229 Alvarez, Cruz, Province of Catamarca.—Cumin.	623		
230 Arrillaga, Javier, Province of Corrientes.—Maté herb packed in tapir skin.	623		
231 Vera, Matilde, Province of Corrientes.—Pigeons stuffed with maté; herbs packed in wolf skins.	623		
232 Alegre, Fray Iman, Province of Corrientes.—Maté.	623		
233 Beita & Co., Valentín, Province of Santa Fé.—Tobacco, coffee, pepper, cinnamon, cumin, cloves, chocolate.	623		
234 Silva, F., Province of Santa Fé.—Arazá (a spice).	623		
235 Aragon, S., Province of Santa Fé.—Tobacco.	623		
236 Blanchaud, Province of Santa Fé.—Leaf tobacco.	623		
237 Invernice, Pedro, Province of Santa Fé.—Spurge.	623		
238 Granada, Salvador, Province of Cordoba.—Chocolate.	623		
239 Villar, Salvador, Province de Jujui.			
a Coffee.	623		
b Castor beans.	624		
240 Carrillos, Pablo, Province of Jujui.—Tobacco.	623		
241 Baigorra, José, Province of Jujui.—Wild cocoa, etc.	623		
242 Burela, Serapio, Province of Salta.—Tobacco.	623		
243 Dávalos, Benjamin, Province of Salta.—Tobacco leaves.	623		
244 Waile, S., Province of Salta.—Cigarettes.	623		
245 Zolezi, Nicolas, Province of Buenos Ayres.—Snuff.	623		
246 Lago & Son, Antonio, Province of Buenos Ayres.—Cigarettes.	623		
247 Andes, Mendez M. de, Province of Buenos Ayres.—Cigarettes.	623		
248 Daumas & Co., J., Province of Buenos Ayres.—Cigarettes and tobacco.	623		
249 Coll & Co., Vitoria, Province of Buenos Ayres.—Cigarettes.	623		
250 Schroder, Nicolas, Province of Buenos Ayres.—Leaf tobacco and cigars.	623		
251 Lista, Manuel and Schroder, J., Province of Buenos Ayres.—Leaf tobacco.	623		
252 Casanco, Juan, Province of Santa Fé.—Flax and spurge seed.	624		
253 Peluffo & Co., Vicente, Province of Buenos Ayres.—Seeds.	624		
254 Mildred, Juan, Province of Buenos Ayres.—Lucern seed.	624		
255 Arenales, A. M. Alvarez de, Province of Buenos Ayres.—Jerusalem artichoke seed.	624		
256 Peluffo, Angel, Province of Buenos Ayres.—Seeds; hemp and flax, lucern, lentils, palmacristi, corn, etc.	624		
257 Denner, Santiago, Province of Santa Fé.—Tobacco seed.	624		

Animals, Animal and Vegetable Products.

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258 Provincial Commission, Province of Mendoza.—Collection of birds. 635
 259 Lemos, Abraham D., Province of Mendoza.—Hawk, woodpecker, wild sandpiper. 635
 260 Nuñez, Santos, Province of Catamarca.—Humming-bird. 635
 261 Franco, Luis A., Province of Catamarca.—Humming-bird. 635
 262 Poblete, Tiburcio, Province of San Juan.—Ostrich skin. 635
 263 Provincial Commission, Province of San Juan.—Prepared skins of terñterñ, partridge, chimango, craw birds, etc. 635
 264 Dominguez, José, Province of San Juan.—Prepared skins of banduria. 635
 265 Rosario Sub-commission, Tala, Province of Entre-Ríos.—Stuffed gull. 635
 266 Goyri, Bernardo, Province of Entre-Ríos.—Nest of boyero, wild bird of Gualguaychu. 635
 267 Commission of the Province de San Luis.—Nest of hornero. 635
 268 Provincial Commission, Province de Catamarco.
 a Mataco and quirquincho shells. 635
 b Wasp's nest. 638
 269 Echevets, Gabriel, Province of Buenos Ayres.—A stuffed wildcat of Balcarce. 637
 270 Gonzalez, Juan, Province of Buenos Ayres.—Wildcat and small fox, stuffed. 637
 271 Valdés, Emiliano, & Cipriano, Province of Buenos Ayres.—Mouse, stuffed. 637
 272 Rosario Sub-commission, Province of Entre-Ríos.—Stuffed fox. 637
 273 Lemos, Abraham, Province of Mendoza.
 a Lynx, stuffed mataco, etc. 637
 b Lizard, insects, scorpion, etc. 638
 274 Echavarria, Cecilio, Province of Santa Fé.—Vipers. 638
 275 Commission of the Chaco Argentino Territory.—Rattlesnake and coral viper. 638
 276 Provincial Commission, Province of Corrientes.—Curiyú viper's skin. 638
 277 Fernandez, Severo, Province of Corrientes.—Viper's skin. 638
 278 Fava, Carlos, Province of Corrientes.—Viper's skin. 638
 279 Poisson, Juan F., Province of Corrientes.—Viper's skin. 638
 280 Bella Vista Sub-commission, Province of Corrientes.—Spiders and their silk in cocoons, vipers. 638
 281 Gonzalez, Pedro J., Province of Corrientes.—Dissected guana (South American lizard). 638
 282 Diaz, Eulogia, Province of Corrientes.—Stuffed viper. 638
 283 Jurado, G. Doraliza de, Province of San Luis.—Black wasp's comb. 638
 284 Escobar, Juan de D., Province of San Luis.—Guana lizard skin. 638
 285 Provincial Commission, Province of San Luis.—Lizard skin. 638
 286 Laborda, Franklin, Province of San Luis.—Insects. 638

287 Day, Edmundo, Province of Mendoza.—Viper. 638
 288 Sanchez, Modesta, Province of Mendoza.—Viper. 638
 289 Iñiguez, M. A., Province of Buenos Ayres.—Vipers in alcohol. 638

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 291 Arteaga, Amancio, Province of Santa Fé.—Shells. 645
 292 Provincial Commission, Province of San Juan.—Baskets. 647
 293 Machado, Ruben, Province de Catamarca.—Basket of aibé straw. 647
 294 Provincial Commission, Province of Salta.—Fishing-lines, etc. 647

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295 Parana Commission, Province of Entre-Ríos.
 a Sponges. 650
 b Colt-grease, shad-oil, leather, skins, etc. 652
 c Ostrich feathers. 653
 d Sausage. 656
 e Domestic beer, lemonade, and wine. 660
 296 Provincial Commission, Province of Salta.
 a Cheese. 651
 b Viper, vicugna, lion, chinchilla, and other skins; soles. 652
 c Honey and wax. 654
 d Dried peaches and nuts. 656
 e Wheat flour. 657
 f Mandioca and wheat starch. 658
 g Querosilla and sugar-cane syrups. 659
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 297 Dubois, B. B., Province of Entre-Ríos.—Cheese. 651
 298 Vasquez, Lucrecio, Province of Cordoba.—Achala cheese. 651
 299 Vaillard, Hipolito, Province of Santa Fé.—Cheese. 651
 300 Provincial Commission, Province of San Luis.
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 b Lion, hare, fox, buck, otter, and heron skins. 652
 c Eggs, condor and ostrich feathers. 653
 d Palpa and honey syrups. 659
 301 Sola, Juan, Province of Salta.
 a Cheese. 651
 b Paisarana, fruit of the Indian fig. 656
 302 Linares, Calisto, Province of Salta.—Cheese. 651
 303 Arias, Francisco, Province of Buenos Ayres.—Sheepskin. 652
 304 Justice of the Peace of Patagones, Province of Buenos Ayres.
 a Sheepskins. 652
 b Ostrich feathers. 653
 c Cherry liqueur and Chacoli wine. 660
 305 Balcarce, German, Province of Buenos Ayres.—Sheep, goat, wild boar, otter, deer, weasel, wolf, and wild cat skins, etc. 652
 306 Martinez, Luiz, Province of Buenos Ayres.—Hides. 652
 307 Fragueiro, G., Province of Buenos Ayres.—Otter and sheepskins. 652

Animal and Vegetable Products.

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309	Valdez, Emiliano, Province of Buenos Ayres.—Lion-skin, colt, and ox-hides.	652
310	Fuente, Diego G. de la, Province of Buenos Ayres.—Aguara skin.	652
311	Berrotaran, Juan, Province of Buenos Ayres.—Lamb skins.	652
312	Duguit, Tomas, Province of Buenos Ayres.—Sheepskins.	652
313	Gomez, Lorenzo, Province of Buenos Ayres.—Flamingo skin from La Laguna de los Padres (Balcarce).	652
314	Mora, J., Province of Buenos Ayres.—Sheepskin.	652
315	Acuña, P. Garcia, Province of Buenos Ayres.—Cow tripe prepared for export.	652
316	Battini, Angel Pedro, Province of Buenos Ayres.—Leather soles.	652
317	Duportal, Emilio, Province of Buenos Ayres.—Skins.	652
318	Arnault, Augusto, Province of Buenos Ayres.—Domestic cat-skins for the cure of rheumatism.	652
319	Escalada & Co., Buenos Ayres.—Tanned and colored kid skins for gloves.	652
320	Bernard, Joaquin, Province of Buenos Ayres.—Sheep and lamb skins.	652
321	Bellocq Bros., Province of Buenos Ayres.—Calf skins.	652
322	Iniguez, A. Manuel, Province of Buenos Ayres.—Charcoal of curumuel wood.	652
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324	Mujica, E. S., Province of Buenos Ayres.—Prepared blood for refining sugar and clarifying syrups.	652
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326	Santillan Bros. & Co., Province of Santiago del Estero.—Leather for boots and lizard leather for gaiters; skins, etc.	652
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328	Gonzalez, Joaquin, Province of La Rioja.—Lion, vicugna, and ai-ai skins.	652
329	Provincial Commission, Province of La Rioja.	
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330	Commission of the Chaco Argentine Territory.	
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332	Andalgalá Sub-commission, Province of Catamarca.—Vicugna, alpaca, gray fox, lamb skins, leather, etc.	652
333	Vergara, Altillo, Province of Catamarca.—Swan skin.	652
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336	Santa Maria Sub-commission, Province of Catamarca.—Vicugna, chinchilla, and fox skins.	652
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342	Benites, A., & Co., Province of Entre-Rios.	
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c	Preserved meats, beef extracts, etc.	656
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344	Darchez, Amadeo, Province of Entre-Rios.—Sea-wolf, fox, wildcat, and otter skins, etc.	652
345	Barcos, Pedro P., Province of Entre-Rios.—Coati skin.	652
346	Rosario Sub-commission, Province of Entre-Rios.—Buck, otter, ferret, coati, lion, fox, weasel, wildcat skins, etc.	652
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353	Maglione, Francisco, Province of Entre-Rios.—Carpincho and deer skins.	652
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355	Saenz, Victoriano, Province of Salta.—Tiger skin.	652
356	Zorrilla, Benjamin, Province of Salta.—Llama skin.	657

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Animal and Vegetable Products.

357 Carreras, Segundo, Province of Mendoza.—Lion skin.	652	377 Echevarria, Cecilio, Province of Santa Fé.	
358 Provincial Commission, Province of Mendoza.		a Wolf, lion, tiger, fox, ostrich, and other skins.	652
a Fox skins.	652	b Wax.	654
b Ostrich feathers.	653	c Wild fruit, preserved.	656
c Dried peaches, sweatmeats, preserved lemons, etc.	656	d Sugar-cane brandy.	660
359 Gomez, Cecilio, Province of Mendoza.—Chancho wild-boar skin.		378 Provincial Commission, Province of Santa Fé.	
360 Ribero, Jacinto, Province of San Luis.—Wildcat skins.	652	a Wolf, lion, goat, otter, hare, fox, deer skins, etc.	662
361 Sierra, Ramon de la, Province of San Luis.—Aguará purse and occiput of an ostrich.	652	b Sweetmeats.	656
362 Lahiton, Pedro, Province of San Luis.—Tanned hides.	652	379 Martinez, Jonas, Province of Catamarca.—Ostrich feathers.	653
363 Ladies' Commission, Province of San Luis.		380 Suarez, B., Province of Santa Fé.—Ostrich feathers.	653
a Peach preserve, plum, melon, peach, lemon, water-melon, and quince sweetmeats, etc.	656	381 Soler, Ventura, Province of Entre-Rios.—Ostrich feathers.	653
b Lemon and orange liquors.	660	382 Maxet, José, Province of Entre-Rios.—Honey.	654
364 Rodriguez, Severo, Province of San Juan.		383 Ivernizzi, J., & Toschini, J., Province of Entre-Rios.—Wax.	654
a Tanned goat skin.	652	384 Otero, José, Province of Buenos Ayres.—Honey and wax.	654
b Musk and peeled raisins.	656	385 Barraquero, Carmen, Province of Mendoza.	
c Wines.	660	a Wax and honey.	654
365 Vidart, Juan A., Province of San Juan.—Lina hide.	652	b Preserves.	656
366 Ruiz, Clemente, Province of San Juan.—Merino metis skin.	652	c Grape, quince, and cherry syrups.	659
367 Moreno, Federico, Province of San Juan.—Ox hide.	652	d White wine.	660
368 Provincial Commission, Province of San Juan.		386 Pouyet, Miguel, Province of Mendoza.	
a Horns and fox skins.	652	a Honey.	654
b Raisins, preserved fruits.	656	b Nuts, almonds, and fruits.	656
369 Rodriguez, Victor, Province of San Juan.		c Cognac and wines.	660
a Horn combs.	652	387 Aragon, J. M., Province of Santa Fé.—Honey.	654
b Raisins, etc.	656	388 Iramon, Juan, Province of Santa Fé.—Honey and wax.	654
c Wheat starch.	658	389 Doraliza, G. de Jurado, Province of San Luis.—Honey	654
d Wines.	660	390 Albaracin, Saturnino, Province of San Juan.—Wax.	654
370 Provincial Commission, Province of Cordoba.		391 Cortinez, Domitilo, Province of San Juan.—Honey.	654
a Horn flasks and combs; lion, wild cat, and goat skins.	652	392 Piñero, Aurelio, Province of Cordoba.—Wax.	654
b Flava wax and honey.	654	393 Passel, Teodoro, Province of Cordoba.—Wax.	654
c Sweetmeats.	656	394 Cespedes, José, Province of Mendoza.—Dried apples and figs.	656
d Flour, bran, etc.	657	395 Godoy, Nicolas, Province of Mendoza.—Preserved citrons.	656
e Indian fig-syrup.	659	396 Sanchez, Modesto, Province of Mendoza.—Preserved grapes.	656
371 Iriarte, Carlos, Province of Cordoba.		397 Chaves, Rosaura, Province of Mendoza.—Olives.	656
—Tanned goat skins.	652	398 Campos, Enrique, Province of Mendoza.	
372 Ocampo & Acosta, Province of Cordoba.—Tanned hides.	652	a Milk-extract.	656
373 Provincial Commission, Province of Jujui.		b Orange-wine, anisette.	660
a Vicugna, llama, tiger, and other skins.	652	399 Rufino, Gerónimo C., Province of San Juan.—Musk-grape raisins.	656
b Wax and wild honey.	654	400 Ramirez, & Co., Province of San Juan.—Raisins.	656
c Dried peaches.	656	401 Sarmiento, J. L., Province of San Juan.	
d Corn and wheat flour.	657	a Raisins.	656
e Sugar.	659	b Brandy.	660
f Querosilla mead.	660	402 Bates, Benjamin, Province of San Juan.	
374 Dagorret, Modesta, Province of Corrientes.—Tanned viper skin, sole leather, hides, etc.	652	a Almonds and raisins.	656
375 Provincial Commission, Province of Corrientes.		b Flour and bran.	657
a River-wolf skins.	652		
b Ostrich feathers.	653		
c Wax.	654		
d Citron, peanut, lime, and other sweetmeats; cocoanuts.	656		
376 Bella Vista Sub-commission, Province of Corrientes.—Sea-wolf skins.	652		

Animal and Vegetable Products.

403	Herrera, P. J., Province of San Juan.—Nuts.	656	432	Escobar, Juan D., Province of San Luis.	656
404	Mazo, Julian, Province of San Juan.—Raisins and figs.	656		a Dried figs and peaches.	656
				b Wine and carob mead.	660
405	Herrera, José, Province of San Juan.—Almonds.	656	433	Ronchetti, Valentin, Province of Santa Fé.—Pickled partridges.	656
406	Tacheret, Carlos, Province of San Juan.—Figs.	656	434	Nikisch, Manuel, Province of Santa Fé.—Pickled tongues.	656
407	Tacheret, Emilio, Province of San Juan.—Figs.	656	435	Garvino, Signor, Province of Entre-Rios.—Salt meat and tongues. Gelatine.	656
408	Jones, Fabian, Province of San Juan.—Figs.	656	436	Valdes, Emiliano and Cipriano, Province of Buenos Ayres.—Salt tongues and beef, etc.	656
409	Jofré, Ramon, Province of San Juan.				
	a Figs.	656	437	Olidon, Tomas, Province of Buenos Ayres.	656
	b Wines and vinegar.	660		a Sheep tongue, dried mutton and beef.	656
410	Frias, Salvador, Province of San Juan.—Musk raisins.	656		b Cognac bitters.	660
411	Ruiz, Clemente S., Province of San Juan.—Nuts.	656	438	Berisco, Juan, & Co., Province of Buenos Ayres.—Dried tongues.	656
412	Aguilar, J. M., Province of San Juan.—Carob.	656	439	Cambaceres, Antonio, Province of Buenos Ayres.—Jerked beef and salt tongues.	656
413	Governor of the Province, Province of Jujui.—Nuts.	656	440	Roverano Bros., Province of Buenos Ayres.—Sweetmeats in syrup.	656
414	Bascuñan, Francisco, Province of La Rioja.—Dried figs.	656	441	Ledesma, Hermanos, Province of Entre-Rios.—Wheat flour.	657
415	Olivera, Bernardo, Province of La Rioja.—Dried figs.	656	442	Colla, Juan, Province of Entre-Rios.—Chivilcoy flour.	657
416	Gonzales, Ventura, Province of La Rioja.		443	Cabilla, A., Province of Entre-Rios.	657
	a Raisins and dried peaches.	656		—Grits.	657
	b Nonogasta syrup.	659	444	Buada, F., Province of Entre-Rios.	657
	c Wine.	660		—Flour.	657
417	Larrohona, Pedro, Province of La Rioja.—Raisins.	656	445	Dubois, José B., Province of Entre-Rios.	657
418	Garcia, Domingo, Province of La Rioja.		446	Berizo, Domingo, Province of Entre-Rios.—Flour.	657
	a Raisins.	656	447	Crespo, Manuel, Province of Entre-Rios.	657
	b Nonogasta syrup.	659		—Flour.	657
	c Wine, brandy, and anisette.	660	448	Pillier, N., Province of Santa Fé.	657
419	Dávila, Carmen T., Province of La Rioja.—Preserved olives, lime and peach preserves, and cayote sweetmeat.	656		—Flour.	657
420	Bustos, Sophia G., Province of La Rioja.—Quince preserve.	656	449	Iturraspe & Co., Province of Santa Fé.	657
				—Bran, flour.	657
421	Treloar, Guillermo, Province of La Rioja.		450	Wart, Carlos, Province of Santa Fé.	657
	a Carob paste.	656		—Flour.	657
	b Wines.	660	451	Quellet, Enrique, Province of Santa Fé.	657
422	Monjon, Mercedes I., Province of Catamarca.—Musk-raisins.	656		—Wheat flour.	657
423	Santa Colonna, Isaac, Province of Catamarca.—Raisins, preserves, etc.	656	452	Boner, G., Province of Santa Fé.	657
424	Herrera, Ramon, Province of Catamarca.—Musk-raisins.	656		—Flour.	657
425	Delgado, Manuel, Province of Catamarca.—Dried figs.	656	453	Lubary, Tomas, Province of Santa Fé.	657
426	Medina, Luis R., Province of Catamarca.—Nuts.	656		—Flour.	657
427	Aguero, Patricia, Province of Catamarca.—Musk raisins.	650	454	Afrank & Lami, Province of Santa Fé.	657
428	Franco, Luis A., Province of Catamarca.—Candied quinces.	656		—Flour.	657
429	Acosta, Maria E., Province of Catamarca.—Candied quinces.	656	455	Fristchi, Celestino, Province of Santa Fé.	657
430	Colodrero, A., Province of Corrientes.—Yatay palm cocoanuts.	656		—Wheat flour.	657
431	Videla, Victor, Province of San Luis.		456	Gallo, B., Province of San Juan.	657
	a White carob and carob paste.	650		—Flour and bran.	657
	b Syrup, etc.	657	457	Frias, Salvador, Province of San Juan.	657
				—Flour and Chingo flour.	657
432			458	Appleyard, T. B., Province of Corrientes.	
				a Mandioca flour.	657
				b Mandioca starch.	658
433			459	Fourcade, Pedro, Province of Mendoza.	657
				—Flour and bran.	657
434			460	Casas, Molino, Province of Mendoza.	657
				—Flour.	657
435			461	Arminchiardi, Juan, Province of Mendoza.	657
				—Corn meal and flour.	657
436			462	Tillar, Carlos, Province of Jujui.	657
				—Flour.	657

Vegetable Products, Wines, Textile Substances.

463	Alic, Antonio, Province of San Luis.—Flour and bran.	657	496	Doncel, Rosauro, Province of San Juan.—Wine.	660
464	Provincial Commission, Province of Santiago del Estero.—Flour.	657	497	Doncel, José E., Province of San Juan.—Trinidad wine.	660
465	Arminchiardi, Juan, Province of Mendoza.—Macaroni, vermicelli, and vermicelli cheese.	658	498	Carraffa, Vicente, Province of San Juan.—Wines and brandy.	660
466	Navarro, Cornelio, Province of Mendoza.—Wheat starch.	658	499	Herrera, Pedro, Province of San Juan.—Brandy.	660
467	Gazzo, Luis, Province of Santa Fé.—Vermicelli.	658	500	Baca, Vicente, Province of San Juan.—Brandy.	660
468	Dávila, Nicolasa, Province of La Rioja.—Nonogasta syrup.	659	501	Castro, Saturnino, Province of San Juan.—Brandy.	660
469	Dávila, Guillermo, Province of La Rioja.—Nonogasta syrup.	659	502	Espada, Tadeo, Province of San Juan.—Wine.	660
470	Gordillo, Alcibiades, Province of La Rioja.—Nonogasta syrup.	659	503	Dejorti, Eusebio, Province of San Juan.—Wine.	660
471	Dominguez, José D., Province of San Juan.—Syrup.	659	504	Lemaistre, Hilario, Province of Mendoza.—Wines, quince, gin, ratafia, and cherry liquors.	660
472	Ovefero, Sisto, Province of Salta.—Sugar.	659	505	Blanco, Eusebio, Province of Mendoza.—Wines.	660
473	Figueroa, José E., Province of Catamarca.—Syrup.	659	506	Guerin, Eugenio, Province of Mendoza.—Wines.	660
474	Brisuela, Primitivo, Province of Catamarca.—Grape syrup.	659	507	Michel, Salvador, Province of Salta.—Wines.	660
475	Araoz, Adelaida, Province of Catamarca.—Grape syrup.	659	508	Fleming, M., Province of Salta.—Wine.	660
476	Costelo, Guadalupe, Province of Catamarca.—Grape syrup.	659	509	Dávalos, Asuncion, Province of Salta.—Wine.	660
477	Leri, Petrona, Province of Catamarca.—Grape syrup.	659	510	Morales, Emilio, Province of Salta.—Bitters; cumin, orange and vanilla liquors, cocoa extract, banana balm, cognac, etc.	660
478	Agnero, Patricia, Province of Catamarca.—Grape syrup.	659	511	Flores, Nicanor, Province of Salta.—Wines.	660
479	Aybar, J. R., Province of Catamarca.—Grape syrup.	659	512	Ovefero, Sisto, Province of Salta.—White wine.	660
480	Laborda, Franklin, Province of San Luis.—Orange, lemon, currant, banana, and peach syrup.	659	513	Lopez, Filipe, Province of Salta.—Wines.	660
481	Bagley, M. S., Province of Buenos Ayres.—Bitters.	660	514	Velez, Amadeo, Province of Salta.—Wine.	660
482	Pizzona, Miguel, Province of Buenos Ayres.—White and red wines.	660	515	Alvarez, Francisco, Province of La Rioja.—White wines.	660
483	Plà, José, & Co., Province of Buenos Ayres.—Anisette brandy.	660	516	Dávila, Bonifacio, Province of La Rioja.—Wines and anise brandy.	660
484	Loy, José, Province of Buenos Ayres.—Hesperidina bitters.	660	517	Dávila, Domingo, Province of La Rioja.—Wines.	660
485	Nuttall, Enrique, Province of Buenos Ayres.—Hesperidina bitters.	660	518	Gordillo, Alcibiades, Province of La Rioja.—Wines.	660
486	Calatroni, Pedro, Province of Buenos Ayres.—Banana balm, bittersweet tonic, and liquors.	660	519	Dávila, Guillermo, Province of La Rioja.—Wines.	660
487	Alemana, Cerveceria, Province of Buenos Ayres.—Chivilcoy beer.	660	520	Chaves, Crisologo, Province of La Rioja.—Wines and anise brandy.	660
488	Hanot, Jorge, Province of Buenos Ayres.—Orange-flower water, Chartreuse and Kerman liquor.	660	521	Dávila, Nicolasa V. de, Province of La Rioja.—Wines.	660
489	Dominguez, José, Province of San Juan.—Vinegar.	660	522	Gonzalez, Zoraida Dávila de, Province of La Rioja.—Mint, coffee, orange, cocoa, and Peruvian bark, liquors.	660
490	Terramola, Delfin, Province of San Juan.—Wine and vinegar.	660	523	Muro, Froilan, Province of Catamarca.—Wine.	660
491	Zavalla, Pedro J., Province of San Juan.—Wine.	660	524	Augier, Uladislao, Province of Catamarca.—Wine.	660
492	Quiroga, Isidro, Province of San Juan.—White wine.	660	525	Lafone y Gueveda, Samuel A., Province of La Rioja.—Wines, cognac, and liquors.	660
493	Quiroga, Abraham, Province of San Juan.—Wine.	660	526	Franco, Luis A., Province of Catamarca.—Wines.	660
494	Balaquer, Juan E., Province of San Juan.—White and red wine.	660	527	Figueroa, Molas, & Co., Province of Catamarca.—Wine.	660
495	Coll, Francisco M., Province of San Juan.—Bordeaux wine.	660			

Vegetable Products, Wines, Textile Substances.

528	Narvaez, Dermidio, Province of Catamarca.—Wines and brandies.	660	558	Fava, Carlos, Province of Corrientes.—Cotton, ramuhú cotton.	665
529	Miranda, José A., Province of Catamarca.—Wine and brandy.	660	559	Bella Vista Sub-commission, Province of Corrientes.	
530	Figueroa, Manuel, Province of Catamarca.—Wine.	660		a Raw cotton.	665
531	Cisneros, Juan B., Province of Catamarca.—Wine and brandy.	660		b Wool.	667
532	Teferina, Daniel, Province of Catamarca.—Wines.	660	560	Commission of the Chaco Argentine Territory.—Cotton.	665
533	Molina, Mardogneo, Province of Catamarca.—Wine.	660	561	Provincial Commission, Province of San Luis.	
534	Ageret, H., Province of Corrientes.—Lime and orange liquors.	660		a Cotton.	665
535	Villa, Luis, Province of Corrientes.—Sugar-cane juice.	660		b Wool.	667
536	Alzric, Antonio, Province of San Luis.—Soda water and lemonade.	660	562	Invernizzi, I., and Toschini, J., Province of Entre-Ríos.—Cotton.	665
537	Billar, Salvador, Province of Jupui.—Sugar-cane brandy.	660	563	Parana Commission, Province of Entre-Ríos.	
538	Gibelli, S., Province of Entre-Ríos.—Wine.	660		a Ropes made of caraguatá bark, chard, yatay, palm.	666
539	Clavarino, S., Province of Entre-Ríos.—Wine.	660		b Wild silk cocoons.	668
540	Campora, A., Province of Entre-Ríos.—Wine.	660	564	Commission of the Province of Corrientes.—Ropes made of caraguatá fibre.	666
541	Conte Gran, Anselmo, Province of Entre-Ríos.—Verniouth wine and elixir.	660	565	Torre, Esteban N., Province of Corrientes.—Caraguatá fibres.	666
542	Costa, Luis, Province of Santa Fé.—Cognac, vermouth wine, and liquors.	660	566	Gelabert, Miguel, Province of Corrientes.—Caraguatá fibre cord.	666
543	Defagot, Cipriano, Province of Entre-Ríos.—Peach liquor.	660	567	Roibon, Enrique, Province of Corrientes.—Caraguatá fibre.	666
544	Magdelin, Fernando, Province of Santa Fé.—Beer.	660	568	Lescano, José D., Province of Corrientes.—Caraguatá leaves.	666
545	Fontam, Luis F., Province of Santa Fé.—Anise liquor.	660	569	Gelos, Martin, Province of La Rioja.—Feather-grass.	666
546	Bagley, M. S., & Co., Province of Buenos Ayres.—Biscuits and crackers.	661	570	Carreras, Rosaura C., Province of Mendoza.—Chard thread.	666
547	Bromvers, Enrique, Province of Buenos Ayres.—Crackers and biscuits.	661	571	Provincial Commission, Province of Mendoza.—Hemp and ropes.	666
548	Masset, Gustavo, Province of Buenos Ayres.—Crackers.	661	572	Commission of the Province of Santiago del Estero.—Prepared chaguar.	666
549	Bergeré, D., Province of Santa Fé.—Peanut oil.	662	573	Billar, Salvador, Province of Jujui.—Chaguar and yuchan ropes.	666
Textile Substances of Vegetable or Animal Origin.					
550	Rizo, Isidoro, Province of Catamarca.—Palo borracho cotton.	665	574	Galarani, Carlos, Province of Buenos Ayres.—Spun flax and flax-straw.	666
551	Provincial Commission, Province of Catamarca.—Cotton and raw palo borracho cotton.	665	575	Meyer, E., Province of Santa Fé.—Flax.	666
552	Colina, J. N., Province of Rioja.—Cotton grown in Vinchina.	665	576	Cataneo, Juan, Province of Santa Fé.—Raw flax.	666
553	Dávila, Guillermo, Province of La Rioja.—Cotton.	665	577	Stegman, Jorge, Province of Buenos Ayres.—Wool.	666
554	Alvarez, Francisco, Province of La Rioja.—Cotton.	665	578	Morgan, N., Province of Buenos Ayres.—Wool.	666
555	Wurffbain, Gustavo, Province of La Rioja.—Cotton.	665	579	Peyredieu & Bradley, Province of Buenos Ayres.—Wool.	666
556	Molma, Mardoqueo, Province of La Rioja.—Cotton and cotton pods.	665	580	Martinez & Laplaceta, Province of Buenos Ayres.—Wool.	666
557	Provincial Commission, Province of Salta.		581	Molina, Juan C., Province of Buenos Ayres.—Alpaca wool.	666
	a Cotton.	665	582	Guevara, Edelmira L. de, Province of Buenos Ayres.—Fleece of Angor goat.	666
	b Chaguar thread and bark, yuchan fibre.	666	583	Guerrero, Carlos I., Province of Buenos Ayres.—Wool.	666
	c Bristle rope and fabrics for sieves.	669	584	Duportal, Emilio, Province of Buenos Ayres.—Wool.	666

Textile Substances, Agricultural Machines, Fertilizers.

588 Moras, José, Province of Buenos Ayres.—Wool.	667	612 Galarani, Carlos, Province of Buenos Ayres.—Wool.	667
589 Durand, Augusto, Province of Buenos Ayres.—Wool.	667	613 Vazquez, Lucrecio, Province of Cordoba.—Wool.	667
590 Castes, Mariano Artayeta, Province of Buenos Ayres.—Wool.	667	614 Gomez, Fecundino, Province of Mendoza.—Wool.	667
591 Unzué, Mariano, Province of Buenos Ayres.—Wool.	667	615 Gonzalez, Daniel, Province of Mendoza.—Wool.	667
592 Classen, Enrique, Province of Buenos Ayres.—Wool.	667	616 Davila, Bonifacio, Province of La Rioja.—Wool.	667
593 Tucker, I. E. C., Province of Buenos Ayres.—Wool.	667	617 Gavino, Domingo, Province of Entre-Ríos.—Wool.	667
594 Iraizo, Geronimo, Province of Buenos Ayres.—Wool.	667	618 Denis, Francisco Antonio, Province of Entre-Ríos.—Wool.	667
595 Frers, German, Province of Buenos Ayres.—Wool.	667	619 Puente, Gregorio F. de la, Province of Entre-Ríos.—Wool.	667
596 Justice of the Peace of Patagones, Province of Buenos Ayres.—Wool.	667	620 Correa, Benedicto, Province of San Juan.—Wool.	667
597 Clarke, Carlos, Province of Buenos Ayres.—Wool.	667	621 Rodriguez, Estanislao, Province of San Juan.—Alpaca wool.	667
598 Huergo, Aureliano, Province of Buenos Ayres.—Wool.	667	622 Ravalla, Lorenzo, Province of San Juan.—Angora wool.	667
599 Valdese, Emiliano & Cipriano, Province of Buenos Ayres.—Wool.	667	623 Echevarria, Cecilio, Province of Santa Fé.—Angora wool.	667
600 Rubiaurre, Ovidio, Province of Buenos Ayres.—Wool.	667	624 Newton, Ricardo, Province of Buenos Ayres.—Silk, spun and in cocoons.	668
601 Gutierrez, Gervasio, Province of Buenos Ayres.—Wool.	667	625 Peluffo, Angel, Province of Buenos Ayres.—Silk in cocoons.	668
602 Perez, Enrique, Province of Buenos Ayres.—Wool.	667	626 Justice of the Peace of San Vicente, Province of Buenos Ayres.—Horse-hair.	669
603 Corrales, I. W., Province of Buenos Ayres.—Wool.	667	627 Provincial Commission, Province of Buenos Ayres.—Cow-hair.	669
604 Gregoire, N., Province of Buenos Ayres.—Wool.	667	628 Commission of the Province of Tucuman.—Hair-ropes.	669
605 Provincial Commission of the Province of Buenos Ayres.—Wool.	667	Agricultural Engineering and Administration.	
606 Camblond, M., Province of Buenos Ayres.—Wool.	667	629 Carenon, E., and J. Lacroze, Province of Buenos Ayres.—Model of a pump.	680
607 Bonnement, I. B., Province of Buenos Ayres.—Wool.	667	630 Silveira, Agustin, Province of Buenos Ayres.—Artificial manure.	681
608 Bernard, Joaquin, Province of Buenos Ayres.—Wool.	667	631 Jacquemard, Victor, Province of Buenos Ayres.—Artificial manure.	681
609 Schweikart, Andres, Province of Buenos Ayres.—Wool.	667	632 Mujica, E. S., Province of San Juan.—Artificial manure from boiled and dried blood.	681
610 McClymont, Guillermo, Province of Buenos Ayres.—Wool.	667		
611 Hale, Samuel B., Province of Buenos Ayres.—Wool.	667		

EXHIBITIONS OF LIVE STOCK.

1. The live stock display at the International Exhibition will be held within the months of September, October, and November, 1876; the periods devoted to each family being as follows: Horses, mules, and asses, from September 1st to 14th. Dogs from September 1st to 8th. Horned cattle, from September 21st to October 4th. Sheep, swine, and goats, from October 10th to 18th. Poultry will be exhibited from October 27th to November 6th.

2. Animals to be eligible for admission to the International Exhibition must be, with the exception of trotting stock, walking horses, matched teams, fat and draught cattle, of such pedigree that the exhibitor can furnish satisfactory evidence to the Chief of Bureau, that as applied to thorough-bred horses, as far back as the fifth generation of ancestors on both sides, they are of pure blood and of the same identical breed. As to short-horned cattle, they are registered in either Allen's, Alexander's, or the English herd-books. As to Holsteins, Herefords, Ayrshires, Devons, Guernseys, Brittanys, Kerrys, and other pure breeds, they are either imported or descended from imported animals on both sides. As to Jerseys, they are entered in the Herd Register of the American Jersey Cattle Club, or in that of the Royal Agricultural Society of Jersey. As to sheep or swine they are imported or descended from imported animals, and that the home-bred shall be of pure blood as far back as the fifth generation.

3. The term breed, as used, is intended to comprehend all family divisions, where the distinction in form and character dates back through years of separation; for instance, it is held that the progeny of a pure-blood Jersey and a pure-blood Guernsey is not a thorough-bred but a cross-bred animal, and, as such, is necessarily excluded.

4. In awarding prizes to animals of pure blood, the judges will take into consideration chiefly the relative merits as to the power of the transmission of their valuable qualities; a cardinal object of the Exhibition being to promote improvement in breeding stock.

5. In case of doubt relative to the age of an animal, satisfactory proof must be furnished or the animal will be subject to examination by a veterinary surgeon; and should the state of dentition indicate that the age has not been correctly stated, the person so entering as an exhibitor will be prohibited from exhibiting in any class.

6. The forms of classification for awards, as given under each head, are intended (except in the case of trotting stock, walking horses, matched teams, fat and draught cattle) to apply to the animals of any pure breed that are entered for competition.

7. The Exhibition being open to the world, it is of the first importance that the best of their kind only be brought forward, as the character of the stock will be judged by the general average of those exhibited.

8. Exhibitors will be expected to furnish their own attendants, on whom all responsibility of the care of feeding, watering, and cleaning the animals, and also of cleaning the stalls, will rest.

9. Forage and grain will be furnished at cost prices, at depots conveniently located within the grounds. Water can be had at all hours, ample facilities being provided for its conveyance and distribution throughout the stock yards.

10. Exhibitors must supply all harness, saddlery, vehicles, and other appointments, and all such must be kept in their appointed places.

11. The Commission will erect ample accommodation for the exhibition and protection of live stock, yet contributors who may desire to make special arrangements for the display of their stock, will be afforded facilities at their own cost. Fractious animals, whether stallions, mares with foals, or bulls, will be provided with stalls of suitable character.

12. All stalls will be regularly and distinctly numbered; corresponding numbers on labels of uniform character will be given to each exhibitor, and no animal will be allowed to pass from its stall without its proper number attached.

13. Numbers alone will distinguish stock in the show yards, preceding the awards of prizes.

14. The judges of live stock will make examination of all animals on the opening day of each serial show, and will for that day have exclusive entrance to the show yard.

15. No premium will be awarded an inferior animal, though there be no competition.

16. All animals will be under the supervision of a veterinary surgeon, who will examine them before admission, to guard against infection, and who will also make a daily inspection and report. In case of sickness the animal will be removed to a suitable inclosure especially prepared for its comfort and medical treatment.

17. When animals are taken sick, the exhibitors may either direct the treatment themselves, or allow the veterinary surgeon appointed by the Commission to treat the case. In this latter event the exhibitor will be charged for all expenses incurred. All possible care will be taken of animals exhibited, but the Commission cannot be held responsible for any injury or accident.

18. A ring will be provided for the display and exercise of horses and cattle.

19. On the last day of each serial show, a public auction may be held of such animals as the exhibitors may desire to sell. Animals may be sold at private sale at any time during their exhibition. During the period of a serial show, no animal, even in the event of being sold, will be allowed to be definitely removed.

20. An official catalogue of the animals exhibited will be published.

21. Exhibitors of thoroughbred animals must, at the time of making their entries, file with the Chief of the Bureau a statement as to their pedigree, affirmed or sworn to before an officer authorized to take affidavits, and the papers so filed shall be furnished to the Jury of Experts.

22. The ages of live stock must be calculated up to the opening day of the exhibition of the class to which they belong.

23. Sheep breeders, desiring to exhibit wool, the produce of the flocks, will display not less than five fleeces.

24. All animals must be entered according to the prescribed rules as given in forms of entry, which forms will be furnished on application to the Chief of the Bureau of Agriculture.

BREEDING HORSES.

Mares entered as breeding animals must have had foals within one year of the show, or if in foal, certificates must be furnished to that effect.

All foals exhibited must be the offspring of the mare with which they are at foot.

Awards will be made to respective breeds for pure bred turf stallions, six years and over; pure bred turf stallions, over four years and under six years; pure bred turf stallions, over two years and under four years; pure bred turf mares, six years and over; pure bred turf mares, over two and under six years.

Awards will be made for trotting stallions, six years and over; trotting stallions, over four years and under six; trotting stallions, over two years and under four; pure bred draught stallions, six years and over; pure bred draught stallions, over four years and under six years; pure bred draught stallions, over two years and under four years; pure bred draught mares, six years and over; pure bred draught mares, over two and under six years; trotting brood mares, six years and over; trotting fillies, over four years, and under six; trotting fillies, over two years and under four.

RUNNING AND TROTTING HORSES

Shall be judged according to their record up to August 15th, 1876, due regard being had to present condition.

Awards will be made for running horses having made fastest record; trotting stallions having trotted a mile within two-thirty; mares and geldings having trotted a mile within two-twenty-five.

WALKING HORSES.

Fast-walking horses, whether bred for agricultural purposes or the saddle, will compete in the ring for awards.

MATCHED TEAMS.

Awards will be made for matched teams having trotted a mile in two-thirty-five; matched stallions for heavy draught, over sixteen hands high, and over fifteen hundred pounds weight each; matched geldings for heavy draught, over sixteen hands high, and over fifteen hundred pounds weight each; matched mares for heavy draught, over fifteen hands high, and over fourteen hundred pounds weight each, matched mules for heavy draught, over fifteen and a half hands high, and over thirteen hundred pounds weight each.

BREEDING ASSES.

Awards will be made to respective breeds of pure bred jacks over six years; pure bred jacks over three years and under six; pure bred she-asses over six years; pure bred she-asses over three years and under six.

NEAT CATTLE.

No cow will be eligible for entry unless accompanied with a certificate that, within fifteen months preceding the show, she had a living calf, or that the calf, if born dead, was born at its proper time. No heifer entered as in calf will be eligible for a prize unless accompanied with a certificate that she had been bulled before the first of April, or presents unmistakable proof of the fact to the judges. No bull above one year old can be entered unless he have a ring in nose, and the attendant be provided with a leading stick, which must be used whenever the animal is taken out of stall.

Awards will be made for the best herd of each respective breed, consisting as follows: one bull, four cows, none under fifteen months.

Neat cattle, of each respective breed, will compete individually for awards: bulls, three years and over; bulls over two years and under three years; bulls over one year and under two years; cows four years and over; cows over three and under four years; cows or heifers in calf, over two years and under three years; yearling heifers. A sweepstake award will be made for the best bull of any breed. A sweepstake award will be made for the best cow of any breed.

FAT AND DRAUGHT CATTLE.

Animals entered as fat and draught cattle need not be of pure blood, but will compete on individual merits. Fat cattle must be weighed, and in general those will be judged best which have the greatest weight with the least surface and offal.

Awards will be made for best fatted steer of any age and breed; best fatted cow of any age or breed; most powerful yoke of oxen; most rapidly walking yoke of oxen; most thoroughly trained yoke of oxen; most thoroughly trained team of three or more yokes of oxen.

BREEDING SHEEP.

All sheep offered for exhibition must be accompanied with certificate to the effect that they have been shorn since the first of April, and the date given. If not fairly shorn, or if clipped so as to conceal defects, or with a view to improve the form or appearance, they will be excluded from competition.

Awards will be made to respective breeds for the best pen of five animals of same flock and including one ram, the ewes all having had living lambs the past spring.

Awards will be made to respective breeds for rams two years and over; shearling rams.

A sweepstake award will be made for the best ram, respectively of long, middle, and fine wooled breeds.

Awards will be made to respective breeds for ewes in pens of three, all having had living lambs; shearlings in pens of three.

A sweepstake award will be made for the best pen of three breeding ewes, respectively of long, middle, and fine wooled breeds.

FAT SHEEP.

Fat sheep entered for competition must be weighed, and in general those will be judged best which have the greatest weight, with the least surface and offal.

Awards will be made for pen of three best fatted sheep of each breed; pen of three best fatted sheep of any breed.

BREEDING SWINE.

Every competing sow above one year old must have had a litter, or be in pig, and the owner must bring proof of these facts if required. If a litter of pigs be sent with a sow, the young pigs must be sucklings, the offspring of the sow, and must not exceed the age of three months.

Awards will be made to respective breeds for the best pen of one boar and two breeding sows; for pen of sow and litter.

Awards will be made to respective breeds for boars two years old and over; boars one year old and under two years; boars between nine months and one year; breeding sows two years old and over; breeding sows one year old and under two years; pen of three sow pigs between nine months and one year.

A sweepstake award will be made for the best boar of any breed. A sweepstake award will be made for the best sow of any breed.

FAT SWINE.

Fat swine entered for competition must be weighed, and, in general, those will be judged best which have the greatest weight, with the least surface and offal.

Awards will be made for pairs of best fatted hogs of each breed; pairs of best fatted hogs of any breed.

DOGS.

Benches will be furnished free of charge. Exhibitors may themselves assume the cost of attendance upon their animals, but to provide for them who cannot conveniently attend the Exhibition, the Commission will assume the expenses of feeding and daily care, upon the payment of an attendance charge of three dollars upon each animal.

Awards will be made to respective breeds for dogs of two years and over; dogs of one year and under two; pups.

A sweepstake award will be made for the best dog of any breed displayed by a foreign exhibitor. A sweepstake award will be made for the best home-bred dog of any breed.

Awards will be made to respective breeds for bitches of two years and over; bitches of one year and under two; bitch pups.

A sweepstake award will be made for the best bitch of any breed displayed by a foreign exhibitor. A sweepstake award will be made for the best home-bred bitch of any breed.

POULTRY.

Poultry can only be exhibited in coops made after specifications furnished by the Bureau of Agriculture. The Commission will furnish coops and attendance upon payment of one dollar on each bird of the gallinaceous division, and two dollars on each pair of the aquatic division.

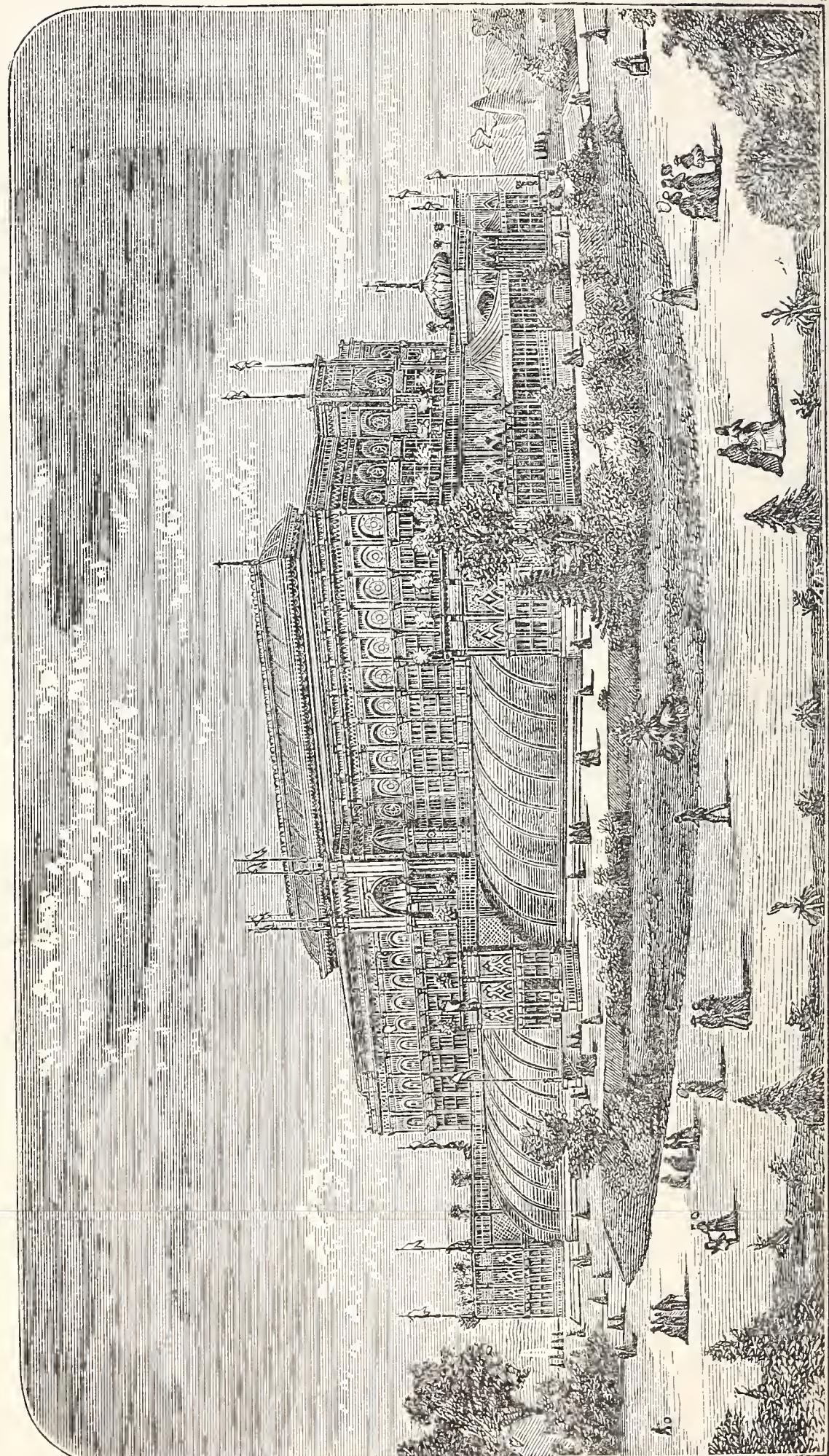
Awards will be made to respective breeds for pairs of one year and over, of chickens, turkeys, ducks, geese, swans, pigeons, guineas, and ornamental birds; for pairs under one year.

FISH.

Living fishes will be displayed in both fresh and salt water aquaria.

Awards will be made for largest display of fish of each species; largest display of fish of all species.

DEPARTMENT OF HORTICULTURE.



HORTICULTURAL HALL.

HORTICULTURAL HALL. No. 160.

Size 383 by 193 feet.

Architect, H. J. SCHWARZMAN.

Contractor, JOHN RICE, Philadelphia.

Wrought iron furnished by KEYSTONE BRIDGE COMPANY, Pittsburgh, Pa.

Cast iron furnished by SAMUEL J. CRESSWELL, Philadelphia.

Painting by JOSEPH CHAPMAN, Philadelphia.

Masonry by MOORE & SCATTERGOOD, Philadelphia.

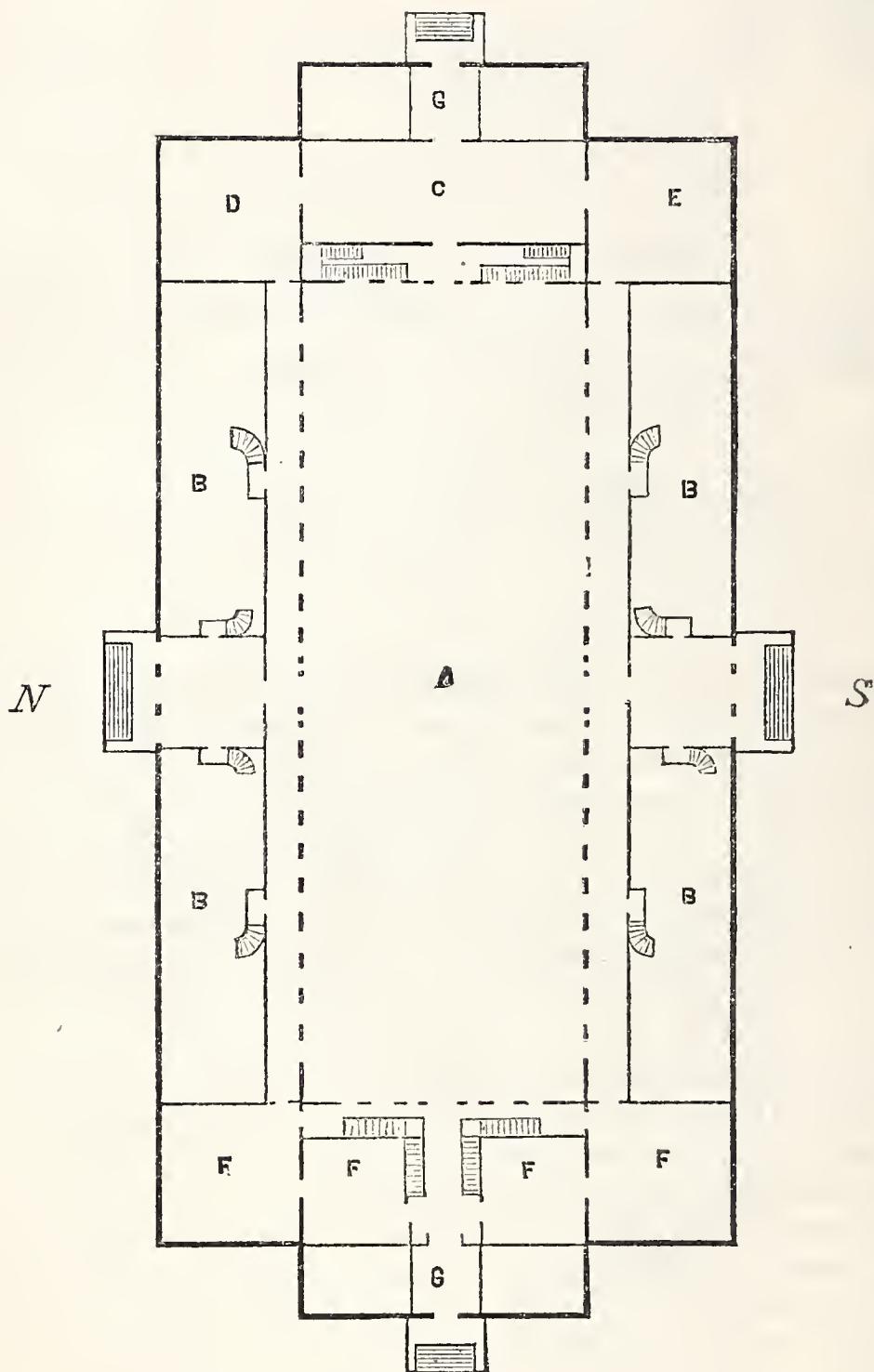
APPROPRIATIONS of the City of Philadelphia have provided the Horticultural Building, which is to remain in permanence as an ornament of Fairmount Park. It is on the Lansdowne Terrace, a short distance north of the Main Building and Art Gallery, and has a commanding view of the Schuylkill river and the northwestern portion of the city. The design is in the Moorish style of architecture of the twelfth century, the principal materials externally being iron and glass. The main floor is occupied by the central conservatory, 230 by 80 feet, and 55 feet high, surmounted by a lantern 170 feet long, 20 feet wide, and 14 feet high. Running entirely around this conservatory, at a height of 20 feet from the floor, is a gallery 5 feet wide. On the north and south sides of this principal room are four forcing houses for the propagation of young plants, each of them 100 by 30 feet, covered with curved roofs of iron and glass. Dividing the two forcing houses in each of these sides is a vestibule 30 feet square. At the centre of the east and west ends are similar vestibules, on either side of which are the restaurants, reception room, offices, etc. From the vestibules ornamental stairways lead to the internal galleries of the conservatory, as well as to the four external galleries, each 100 feet long and 10 feet wide, which surround the roofs of the forcing houses. These external galleries are connected with a grand promenade, formed by the roofs of the rooms on the ground floor, which has a superficial area of 1800 square yards.

The east and west entrances are approached by flights of blue marble steps from terraces 80 by 20 feet, in the centre of each of which stands an open kiosque 20 feet in diameter. The angles of the main conservatory are adorned with eight ornamental fountains. In the basement, which is of fireproof construction, are the kitchen, storerooms, coal-houses, ash-pits, heating arrangements, etc.

The ground was graded and the foundations of Horticultural Hall laid on May 1st, 1875. The building was finished April 1st, 1876. It covers an area for exhibition purposes of 122,500 square feet, and cost about \$300,000. This building will be permanent.

HORTICULTURAL HALL.

Scale, 80 ft. to 1 in.



A *Floral Hall.*
B *Greenhouse.*

C *Restaurant.*
D *Ladies' Room.*

E *Gentlemen's Room.*
F *Offices.*

G *Kiosque.*
H *Vestibule.*

Total Length, 350 ft. Width, 160 ft. Height, 65 ft.

CLASSIFICATION.

DEPARTMENT VII.—HORTICULTURE.

ORNAMENTAL TREES, SHRUBS, AND FLOWERS.

CLASS 700.—Ornamental trees and shrubs, evergreens.

CLASS 701.—Herbaceous perennial plants.

CLASS 702.—Bulbous and tuberous rooted plants.

CLASS 703.—Decorative and ornamental foliage plants.

CLASS 704.—Annuals and other soft-wooded plants, to be exhibited in successive periods during the season.

CLASS 705.—Roses.

CLASS 706.—Cactacea.

CLASS 707.—Ferns, their management in the open air and in ferneries, wardian cases, etc.

CLASS 708.—New plants, with statement of their origin.

CLASS 709.—Floral designs, etc.—Cut flowers, bouquets, preserved flowers, leaves, seaweeds. Illustrations of plants and flowers.—Materials for floral designs. Bouquet materials, bouquet holders, bouquet papers, models of fruits, vegetables, and flowers.

HOTHOUSES, CONSERVATORIES, GRAPERIES, AND THEIR MANAGEMENT.

CLASS 710.—Hothouse and conservatory plants.

CLASS 711.—Fruit trees under glass.

CLASS 712.—Orchids and parasitic plants.

CLASS 713.—Forcing and propagation of plants.

CLASS 714.—Aquatic plants under glass, or in aquaria, etc.

CLASS 715.—Horticultural buildings, propagating houses, hotbeds, etc., and modes of heating them. Structures for propagating and forcing small fruits.

CLASS 716.—Portable or movable orchard houses and graperies, without artificial heat. Frames, beds.

GARDEN TOOLS, ACCESSORIES OF GARDENING.

CLASS 720.—Tools and implements.—Machines for the transplanting of trees, shrubs, etc. Portable forcing pumps, for watering plants in greenhouses and methods of watering the garden and lawn.

CLASS 721.—Receptacles for plants.—Flower pots, plant-boxes, tubs, fern cases, jardinières, etc. Window gardening. Plant and flower stands, ornate designs in iron, wood, and wire.

CLASS 722.—Ornamental wirework, viz.: fences, gates, trellis bordering of flower beds, porches. Park seats, chairs, garden statuary, vases, fountains, etc. Designations, labels, numbers.

GARDEN DESIGNING, CONSTRUCTION, AND MANAGEMENT.

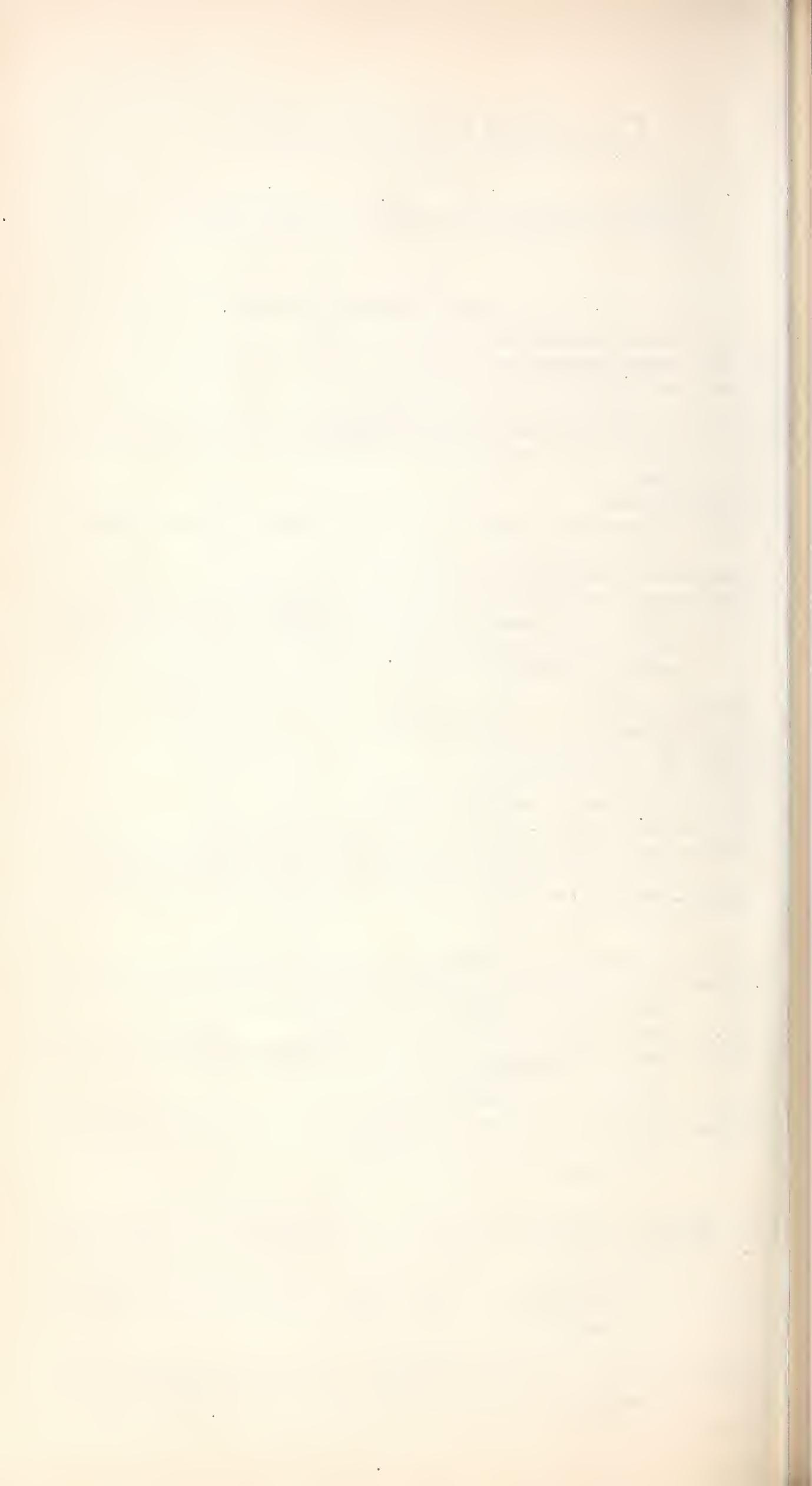
CLASS 730.—Laying out gardens.—Designs for the laying out of gardens, and the improvement of private residences. Designs for commercial gardens, nurseries, graperies. Designs for the parterre. Books on gardening.

CLASS 731.—Treatment of water for ornamental purposes, cascades, fountains, reservoirs, lakes.

CLASS 732.—Formation and after-treatment of lawns.

CLASS 733.—Garden construction, buildings, etc.—Rockwork, grottoes. Rustic constructions and adornments for private gardens and public grounds.

CLASS 734.—Planting, fertilizing, and cultivating.



UNITED STATES.

Trees, Shrubs, Flowers, Hot-House Plants.

Ornamental Trees, Shrubs, Flowers, and Floral Designs.

- 1 Wharton, Joseph, Philadelphia, Pa.—*Eucalyptus globulus*. 700
- 2 Lovering, Joseph S., Philadelphia, Pa.—Decorative foliage, plants, etc. 703
- 3 Graham, Hugh, Philadelphia, Pa.
a Decorative and ornamental foliage plants, palms, etc. 703
b Begonias, soft-wooded plants, etc. 704
c Ferns, in collection, floral designs, and cut flowers. 709
- 4 Pennock Brothers, Philadelphia, Pa.
a Foliage plants. 703
b Cut-flower designs. 709
- 5 The Misses Richardson, Philadelphia, Pa.—*Cactus*. 706
- 6 Fitzgerald, R., Philadelphia, Pa.—*Cactus*. 706
- 7 Miller & Sievers, San Francisco, Cal.
a Collection of Pacific coast cactus. 706
b Collection of ferns. 707
- 8 Such, George, South Amboy, N. J.
a Decorative and ornamental foliage plants. 703
b *Cactus*, in collection. 706
c New plants. 708
- 9 Moon, Mahlon, & Son, Morrisville, Pa.—Collection of ferns. 707
- 10 Dick, John, Philadelphia, Pa.
a *Cactus*. 706
b Ferns. 707
c Floral designs, cut flowers, bouquets, etc. 709
- 11 Miller & Hayes, Philadelphia, Pa.—Tree ferns from Australia. 707
- 12 Parsons, S. B., & Sons, Flushing, N. Y.
a Varieties of ferns. 707
b Skeleton plants. 709
- 13 Sturtevant, Edmund D., Bordentown, N. J.—Ferns. 707
- 14 Saunders, William, Washington, D. C.—New and rare plants. 708
- 15 Freeman, J. R., Georgetown, D. C.—Seedling begonia (large leaved species). 708
- 16 Dreer, Henry A., Philadelphia, Pa.—Floral designs, ferns in ferneries and in wardian cases. 707
- 17 Henderson, Peter, New York, N. Y.—Wire designs for cut flowers, bouquet papers, and materials. 709
- 18 Marot, Charles H., Philadelphia, Pa.—“The Gardener’s Monthly.” 709
- 19 Parisian Flower Co., New York, N. Y.—Artificial tropical leaf-plants and bouquets. 709
- 20 Kresken, H. Acosta, Cincinnati, Ohio.—Preserved flowers, leaves, grasses, bouquets, baskets, crowns, etc. 709

- 21 Cook, Mrs. O. A., San Francisco, Cal.—Preserved natural flowers. 709
- 22 Rolker, August & Sons, New York, N. Y.—Preserved flowers and grasses, bouquet papers, tin foil, wire, frames, etc. 709
- 23 Leopold, Emil L., New York, N. Y.—Fancy flower baskets, in straw, different shapes and styles. 709
- 24 Le Moult, Adolphe, New York, N. Y.—Preserved flowers, representation of a lake with natural water lilies. 709
- 25 Jansen, Edward, New York, N. Y.—Fancy flower baskets, imitation coral, white gilt, straw, brown willow, and fancy wire. 709
- 26 Siebrecht, H. A., & Co., New York, N. Y.—Cut flowers, floral designs. 709
- 27 Williamson, A. & H. A., Philadelphia, Pa.—Wax models of fruits, vegetables, flowers, ferns, autumn and foliage leaves. 709
- 28 Moffatt, Isaac, Philadelphia, Pa.—Models of named American fruits, facsimile of choice specimens. 709
- 29 Brossè, Madame S. C., San Francisco, Cal.—Collection of California sea mosses. 709
- 30 Long Brothers, Buffalo, N. Y.—Floral designs representing the construction of monograms, initials, etc. 709
- 31 Klag, Philip, New York, N. Y.—Preserved natural flowers. 709

Hot-Houses, Conservatories, Graperies, and their Management.

- 32 Saunders, William, Washington, D. C.—Collection of American economic plants. 710
- 33 Graham, Hugh, Philadelphia, Pa.—Hot-house and conservatory plants, crottons, etc. 710
- 34 Lovering, Joseph S., Philadelphia, Pa.—Hot-house and conservatory plants. 710
- 35 Price, Stephen S., Philadelphia, Pa.—Hot-house and conservatory plants. 710
- 36 Committee of the Congressional Library of the United States (Botanic Garden), Washington, D. C.—Official, medicinal, tropical, and semi-tropical plants. 710
- 37 United States Agricultural Department, Washington, D. C.—Official and medicinal plants, mahogany, cocoa, chocolate, guava, papaw, rose apple, etc. 710
- 38 Baldwin, Mrs. M. W., Philadelphia, Pa.—Hot-house and conservatory plants. 710
- 39 Zoological Society, Philadelphia, Pa.—Australian tree fern. 710
- 40 Bines, Samuel M., Philadelphia, Pa.—India rubber tree. 710

Hot-House Plants and Appliances, Gardening Implements.

41 Merryweather, Ann E., Camden, N. J.—Aloe. 710

42 Sellers, John, jr., Philadelphia, Pa.—Hot-house and conservatory plants. 710

43 Cummings, William, Philadelphia, Pa.—Orange tree, banana, ivy, and date palm. 710

44 Faust, William F., Philadelphia, Pa.—Philodendron pertusum and water lily. 710

45 Mackenzie, Thos. J., Philadelphia, Pa.—Hot-house and conservatory plants, plants of commerce. 710

46 Siebrecht, H. A., & Co., New York, N. Y.—Palms, ferns, and tropical plants. 710

47 Cuthbert, Allen, Philadelphia, Pa.—Orange tree. 710

48 Guischart, E. L., Philadelphia, Pa.—Lemon tree. 710

49 Danfield, I. P., Philadelphia, Pa.—Wax plant. 710

50 Abbott, Charles F., Philadelphia, Pa.—Century plants (green and striped), sago palm. 710

51 Abeshire, Mrs. R., Gallipolis, Ohio.—Night-blooming cereus. 710

52 Agnew, Hannah M., Philadelphia, Pa.—Banana. 710

53 Morris, Galloway C., Philadelphia, Pa.—Hot-house and conservatory plants. 710

54 Hoffner, Jacob, Cincinnati, Ohio.—Sago palm over 100 years old, belonged to Robert Morris in 1776. 710

55 Stokton, John A., Philadelphia, Pa.—Fig tree. 710

56 Weightman, William, Philadelphia, Pa.—Hot-house and conservatory plants. 710

57 Hance, A., & Sons, Red Bank, N. J.—Cycas revoluta.

58 Schaffer, William L., Philadelphia, Pa.—Sago palms. 710

59 Cope, Alfred, Philadelphia, Pa.—Century plants. 710

60 Such, George, South Amboy, N. J.
a Ferns, hot-house, and conservatory plants. 710
b Orchids, etc. 712

61 Clark, E. W., Philadelphia, Pa.—Century plants. 710

62 Sturtevant, Edmund D., Bordentown, N. J.—Orchids and parasitic plants. 712

63 Moon, Mahlon, & Son, Morrisville, Pa.
a Banana, and variegated pincapple. 710
b Aquatic plants in cases. 714

64 Wilson, John G., New York, N. Y.—Portable green-house boiler, hot water pipe with vapor pan attached. 715

65 Jordan Horticultural Co., St. Louis, Mo.—Heating apparatus for green-houses. 715

66 Smith & Lynch, Boston, Mass.—Portable boilers for heating green-houses. 715

67 Ellis, Charles R., New York, N. Y.—Base-burning boilers for heating green-houses, graperics, etc. 715

Garden Tools, Accessories of Gardening.

68 Allen, R. H., & Co., New York, N. Y.—Comstock sower and horticultural tools. 720

69 Jones, John M., Palmyra, N. Y.—Garden and floral hand cultivators. 720

70 Wheeler, W. F., Boston, Mass.—Hose liquid distributor, watering pot, insect annihilator, for garden and field, liquid manure distributor. 720

71 Moon, Mahlon, & Son, Morrisville, Pa.
a Wheel hoe. 720
b Vase. 721
c Lead label. 722

72 Dreer, Henry A., Philadelphia, Pa.
a Tools and implements. 720
b Receptacles for plants, fern cases, etc. 721

73 Bingham, O. A., Keene, N. H.—Revolving flower stand. 721

74 Hews, A. H., & Co., North Cambridge, Mass.—Flower pots, hanging pots, ferneries, garden vases, etc. 721

75 Pierce, Mrs. M. R., New York, N. Y.—Window attachments and other improved flower stands with water receptacle, sprinkling pan, and draining saucer. 721

76 Chase, James, Rochester, N. Y.—Combined aquarium, plant stand, bird cage, and fernery. 721

77 McClunie, Thomas, Hartford, Conn.—Drainer and evaporator with globe attachments for pots, vases and hanging baskets. 721

78 Rolker, August & Sons, New York, N. Y.—Flower pots, boxes, fern cases, flower stands, etc. 721

79 Hills, George, Plainville, Conn.—Flower stand with fountain attachment. 721

80 Perine, M., & Sons, Baltimore, Md.—Flower pots, stone and fancy earthenware. 721

81 Pennock Brothers, Philadelphia, Pa.—Wardian cases, ferneries with shades 721

82 Hess, John M., & Sons, Philadelphia, Pa.—Chandelier designs with baskets, hanging baskets, hanging ferneries, vases, etc. 721

83 Freeman & Smith, Racine, Wis.
a Aquaria, ferneries, etc. 721
b Iron furniture, lawn ornamental iron work. 722

84 Racine Hardware Co., Racine, Wis., New York, N. Y.
a Plant and flower stands, ferneries, aquariums, etc. 721
b Fountains, vases, settees, etc. 722

85 Galloway & Graff, Philadelphia, Pa.
a Parlor vases, window boxes, pots, fern cases, baskets, etc. 721
b Terra-cotta statuary, vases, tazzas, pedestals. 722

86 Page, W. H., & Co., Greenville, Conn.
a Plant stands. 721
b Trellises. 722

87 Bauroth, Wirtz, Springfield, Ohio.
a Flower stand. 721
b Lawn and garden wrought iron furniture. 722

Garden Ornaments, Designs, Tools, Ornamental Plants.

88 Balderston, George, Colora, Md.—
Sectional vases. 722

89 Henderson, Peter, Jersey City, N. J.—
Pot plant, garden and veranda trellises. 722

90 Harvey & Adamson, Philadelphia, Pa.—Oriental and Japanese garden vases, statuary, etc. 722

91 American Fountain Works, New York, N. Y.—Crystal fountains, self-acting. 722

92 J. L. Mott Iron Works, New York, N. Y.—Garden statuary, vases, etc. 722

93 Sanguinetti, Percy A., Philadelphia, Pa.—Glass-covered metallic labels, tree-protecting boxes. 722

94 Mayer, Charles, Baltimore, Md.—
Self-acting water fountain. 722

95 Bancroft, J. A., & Co., Philadelphia, Pa.—Lawn settees. 722

96 Mueller, Quackenboss & Co., Philadelphia, Pa.—Vases in artificial stone designs. 722

97 Brown, J. Morton, Philadelphia, Pa.—Grape-vine trellises. 722

98 Moorhead Clay Works, Philadelphia, Pa.—Terra-cotta vases. 722

Garden Designing, Construction, and Management.

99 Miller & Hayes, Philadelphia, Pa.—
Designs for laying out gardens and improving country residences. 730

100 Shove, Geo. A., Dighton, Mass.—
Designs for sanatorium. 730

101 Weidenmann, Jacob, New York, N. Y.—Set of plans for beautifying and improving country homes; survey, drainage, planting, and general maps. 730

102 Heissinger, F. X., New York, N. Y.—Designs for landscape gardening. 730

103 McClunie, Thomas, Hartford, Ct.
a Designs for laying out gardens, and the improvement of public grounds. 730
b Metallic lawn gutters, curb, and drain. 733

Ornamental Trees, Shrubs, and Flowers.

104 Bingham, Rudolphus, Camden, N. J.—Water lilies. 702

105 Mackenzie, Thomas J., Philadelphia, Pa.—Decorative foliage plants. 703

106 Dreer, Henry A., Philadelphia, Pa.
a Bulbous and tuberous-rooted plants. 702
b Ornamental foliage plants. 703
c Annuals and soft-wooded plants. 704
d Ferns, in ferneries and wardian cases. 707

107 Maginly, Thomas J., Philadelphia, Pa.
a Annuals and other soft-wooded plants. 704
b Roses, in collection. 705

108 Moon, Mahlon, & Son, Morrisville, Pa.
a Ornamental trees, shrubs, etc. 700
b Herbaceous plants. 701
c Gladiolus, dahlias, etc. 702
d Flowering and ornamental plants, etc. 703
e Soft-wooded plants. 704
f Roses, in collection. 705
g New plants. 708

109 Felton, A. L., Philadelphia, Pa.
a Herbaceous perennial plants. 701
b Bulbous and tuberous-rooted plants. 702
c Annuals and other soft-wooded plants. 704

110 Sturtevant Edmund D., Borden-town, N. J.
a Herbaceous plants. 701
b Ferns. 707

111 Such, George, South Amboy, N. J.
a Ornamental trees, shrubs, etc. 700
b Herbaceous perennial plants. 701
c Bulbous and tuberous-rooted plants. 702

112 Dick, John, Philadelphia, Pa.
a Ornamental trees, shrubs, etc. 700
b Decorative and ornamental plants. 703
c Soft-wooded plants. 704
d Roses. 705
e New plants. 708

113 Wilson, William C., Astoria (L. I.), N. Y.—Plants for flower beds. 703

114 Henderson, Peter, Jersey City, N. J.
Geraniums and verbenas. 704

115 Meehan, Thomas, Philadelphia, Pa.
a Hardy trees and shrubs. 700
b New plants. 708

116 Zeller, Charles, Flatbush, N. Y.—
Monthly carnations. 701

117 Compondu, Louis F., New Brighton, N. Y.—Pansies. 708

118 Hance, A., & Son, Red Bank, N. J.—
New hardy ornamental plants and trees. 708

119 Parsons, S. B., & Sons, Flushing, N. Y.
a Deciduous trees, evergreens, and shrubs. 700
b New plants from Japan. 708

120 Hoopes, Bro. & Thomas, West Chester, Pa.
a Conifers. 700
b Ivies. 703

121 Parsons, R. B., & Co., Flushing, N. Y.
a Evergreen trees and shrubs, conifers, rhododendrons, kalmias, etc., deciduous trees, magnolias, azaleas, etc. 700
b Roses, in collection. 708

122 Miller & Hayes, Philadelphia, Pa.
a Ornamental trees and shrubs. 700
b Decorative plants. 703
c Roses, in collection. 705

123 Buist, Robert, Philadelphia, Pa.
a Ornamental trees and shrubs, abies and retinospora, from Japan. 700
b Roses, in collection. 705
c New plants; clematis veronica from Japan. 708

124 Moore, Samuel H., junior, Philadelphia, Pa.—Fig tree. 700

125 Hexamer, F. M., New Castle, N. Y.—
Begonia Froebelii, a new bedding plant, Mont Blanc, a new hybrid. 708

Garden Tools, Accessories of Gardening.

126 Peck & Skilton, Westville, Conn.
a Rustic goods for house. 721
b Rustic goods for grounds. 722

127 Theodore, J. L., Mott Iron Works, New York, N. Y.—Iron and zinc fountain. 722

128 Hanson, F. O., Philadelphia, Pa.—
Galvanized railing, fences, gates, seats, vases, etc. 722

Garden Ornaments, Accessories, and Designs.

129 Gossin, F., Philadelphia, Pa.—Terra-cotta vases. 722

130 Mitchell, Wilson, Philadelphia, Pa.—Potsilica (artificial stone) fountain basins, vases, tiles, etc. 722

131 Walker, M., & Sons, Philadelphia, Pa.—Wrought-iron railing, ornamental gates, farm and hurdle fence, wirework 722

132 Brown, J. Morton, Philadelphia, Pa.—Grape-vine trellises. 722

133 O'Brien Bros., Yonkers, N. Y.
a Hanging baskets, etc. 721
b Rustic gates, settees, chairs, stands, vases, etc. 722

134 Moorhead Clay Works, Philadelphia, Pa.—Terra-cotta vases. 722

Garden Designing, Construction, and Management.

135 Sturtevant, Edmund D., Borden-town, N. J.—Rustic adornments. 733

136 O'Brien Bros., Yonkers, N. Y.—Rustic summer-houses, etc. 733

137 Peck & Skilton, Westville, Ct.—Rustic buildings. 733

138 Lebanon Building and Paving Block Company, Lebanon, Pa.—Building blocks of annealed slag paving. 733

139 Pacific Guano Co., Boston, Mass.—Machines, materials, staple products of the soil of the United States, specimen plants fertilized with guano. 734

GREAT BRITAIN.

Ornamental Trees and Shrubs.

1 Veitch, James, & Sons, Royal Exotic Nursery, London.—Conifers, rhododendrons, hollies, and evergreens. 700

2 Waterer, Anthony, Knap Hill Nursery, Woking, Surrey.—Rhododendrons and azaleas (*in tent*). 700

CANADA.

Gardening Appliances.

Garden Tools, Accessories of Gardening.

1 Wells, William, Beamsville, Ont.—Flower-pot and saucers. 721

2 Ahern, J. H., Paris, Ont.—Flower-pots and saucers. 721

3 Pratt, Chorless, London, Ont.—Flower-pots and saucers. 721

4 Welding, E., Brantford, Ont.—Flower-pots and saucers. 721

5 Farrar, G. H., & L. E., St. John, Q.—Fancy flower-pots. 721

6 Hobson, Walter, Quebec, Q.—Flower-pots. 721

7 Ney & Ely, Berlin, Ontario.—Bug-catcher. 720

FRANCE.

Ornamental Plants, Hot-Houses, Ornaments, Designs.

Ornamental Trees, Shrubs, and Flowers.

- 1 Roempler, L., Nancy.—Ornamental plants. 700
- 2 Leroy, Louis, Angers, Maine-and-Loire.—Ornamental plants and fruit trees. 700
- 3 Verdier, E., senior, Paris.—Gladiolus. 702
- 4 Verdier, Charles, Paris.
a Gladiolus. 702
b Roses. 705
- 5 Vilmorin, Andrieux, & Co., Paris.—Seeds, flowers, and vegetables. 709

Hot-Houses, Conservatories, Graperies.

- 6 Roempler, L., Nancy.—Hot-house plants. 710
- 7 Pinel, C. P., Paris.—Application of electricity to germination and fructification. 713
- 8 Lichtenfelder, Paris.—Monumental hot-houses. 715

Garden Tools, Accessories of Gardening.

- 9 Couette, La Briche, Seine.—Portable tents, kiosk, and sheds; folding arm-chairs, bedsteads. 722
- 10 Durenne, A., Paris.—Monumental fountain. 722
- 11 Lichtenfelder, Paris.—Garden furniture: elastic seats; iron gates and trellises. 722
- 12 Phiry, J., jr., Paris.—Trellises and galvanized iron fences. 722
- 13 Walcker, W., Paris.—Garden seats. 722

Garden Designing, Construction, and Management.

- 14 Bonvoisin, A., Paris.—Garden plans. 730
- 15 Duvillers, F., Paris.—Park and garden plans; books on parks and gardens. 730
- 16 Vilmorin, Andrieux, & Co., Paris.—Photographs of flowers, vegetables, and plants; samples of seeds. 730
- 17 Ratinet, Paris.—Rocky grotto. 733

NETHERLANDS.

Fruit Trees, Ornamental Plants, Flowers.

Ornamental Trees, Shrubs, and Flowers.

- 1 Galesboot, J. P. R., Amsterdam.—Fruit trees. 700
- 2 Boer, W. C., Boskoop.—Ornamental trees and shrubs. 700

- 3 Kreijage, J. H., Haarlem.—Bulbs. 700
- 4 Hes, Az. P. van, Boskoop.—Trees, shrubs, and flowers. 700
- 5 Horticultural Association, Haarlem.—Bulbs. 702
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SWEDEN.

Garden Tools.

Garden Tools, Accessories of Gardening.

- 1 Von Essen, H. H., Baron, Tidaholm.—Gardeners' Scissors. 720

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2 Fuente, Diego de la, Province of Corrientes.—Caraguata plant. 706
3 Gelos, Martin, Province of La Rioja.—Scarlet oak, coccus cacti.

4 Provincial Commission, Province of Mendoza.—Cacti. 706

5 Provincial Commission, Province of Cordoba.—Cacti. 706

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